

<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)  <b>PTO Form 1449</b>	<b>Attorney Docket No.</b> NUCL-002/01US	<b>Application No.</b> 10/762,395
	<b>Applicants:</b> Tony GIORDANO <i>et al.</i> <b>PAGE 1 of 30</b>	
	<b>Filing Date:</b> January 22, 2004	<b>Group Art Unit:</b> 1639

U.S. PATENT DOCUMENTS							
Initial		Document No.	Date	Name	Class	Sub-Class	Filing Date

  

FOREIGN PATENT DOCUMENTS							
		Document No.	Date	Country	Class	Sub-Class	Translation
	1.	AU 200195225 A1	01/31/2002	Australia			
	2.	AU 729454	02/01/2001	Australia			
	3.	AU 743316	01/24/2002	Australia			
	4.	CA 2012312 C	09/16/1990	Canada			
	5.	CA 2370628 A1	10/26/2000	Canada			
	6.	<del>DE 199 03 713.2</del>	<del>Not Published</del>	<del>Germany</del>			
	7.	EP 0 213 921 A2	03/11/1987	Europe			
	8.	EP 0 213 921 B1	08/08/1990	Europe			
	9.	EP 0 242 016 A1	10/21/1997	Europe			
	10.	EP 0 242 016 B1	01/08/1992	Europe			
	11.	EP 0 281 380 A2	09/07/1988	Europe			
	12.	EP 0 281 380 B1	11/29/1995	Europe			
	13.	EP 0 286 224 A2	10/12/1988	Europe			
	14.	EP 0 286 224 B1	11/25/1992	Europe			
	15.	EP 0 300 680 A2	01/25/1989	Europe			
	16.	EP 0 300 680 A3	06/19/1991	Europe			
	17.	EP 0 300 680 B1	09/11/1996	Europe			
	18.	EP 0 303 516 A2	02/15/1989	Europe			
	19.	EP 0 303 516 B1	07/06/1994	Europe			
	20.	EP 0 306 347 A2	03/08/1989	Europe			
	21.	EP 0 306 347 A3	10/03/1990	Europe			
	22.	EP 0 306 347 B1	05/10/1995	Europe			
	23.	EP 0 308 066 A2	03/22/1989	Europe			
	24.	EP 0 308 066 A3	01/16/1991	Europe			
	25.	EP 0 308 066 B1	12/27/1995	Europe			
	26.	EP 0 318 281 A2	05/31/1989	Europe			
	27.	EP 0 318 281 A3	10/10/1990	Europe			
	28.	EP 0 325 018 A2	07/26/1989	Europe			
	29.	EP 0 347 501 A1	12/27/1989	Europe			
	30.	EP 0 350 151 A2	01/10/1990	Europe			

<b>Examiner</b>  92271 vl/DC	<b>Date Considered</b>  
------------------------------------	--------------------------------

**Examiner:** Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.L./

<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)  <b>PTO Form 1449</b>	<b>Attorney Docket No.</b> NUCL-002/01US	<b>Application No.</b> 10/762,395
	<b>Applicants:</b> Tony GIORDANO <i>et al.</i> <b>PAGE 2 of 30</b>	
	<b>Filing Date:</b> January 22, 2004	<b>Group Art Unit:</b> 1639

FOREIGN PATENT DOCUMENTS							
		Document No.	Date	Country	Class	Sub-Class	Translation
	31.	EP 0 350 151 A3	10/03/1990	Europe			
	32.	EP 0 350 151 B1	03/30/1994	Europe			
	33.	EP 0 465 572 B1	06/14/1995	Europe			
	<del>34.</del>	<del>EP 0 560 156 A2</del>	<del>09/15/1993</del>	<del>Europe</del>			<del>No</del>
	35.	EP 0 921 195 A1	06/09/1999	Europe			
	36.	EP 0 983 370 A1	03/08/2000	Europe			
	37.	EP 0 983 370 B1	09/17/2003	Europe			
	38.	EP 1 229 134 A2	08/07/2002	Europe			
	39.	EP 1 229 134 A3	01/28/2004	Europe			
	40.	GB 2353282 A	02/21/2001	Great Britain			
	41.	GB 2377221 A	01/08/2003	Great Britain			
	<del>42.</del>	<del>JP 09-110894 A</del>	<del>04/28/1997</del>	<del>Japan</del>			<del>No</del>
	<del>43.</del>	<del>JP 09-227413 A</del>	<del>09/02/1997</del>	<del>Japan</del>			<del>No</del>
	44.	WO 90/11682 A1	10/18/1990	WIPO			
	45.	WO 90/12094 A1	10/18/1990	WIPO			
	46.	WO 90/12488 A2	11/01/1990	WIPO			
	47.	WO 90/14090 A1	11/29/1990	WIPO			
	48.	WO 92/18522 A1	10/29/1992	WIPO			
	<del>49.</del>	<del>WO 92/19732 A1</del>	<del>11/12/1992</del>	<del>WIPO</del>			<del>No</del>
	50.	WO 93/17098 A1	09/02/1993	WIPO			
	51.	WO 93/23551 A1	11/25/1993	WIPO			
	52.	WO 94/01550 A1	01/20/1994	WIPO			
	53.	WO 94/17194 A1	08/04/1994	WIPO			
	54.	WO 95/03406 A2	02/02/1995	WIPO			
	55.	WO 95/03406 A3	09/14/1995	WIPO			
	56.	WO 95/10607 A1	04/20/1995	WIPO			
	57.	WO 95/15378 A1	06/08/1995	WIPO			
	<del>58.</del>	<del>WO 95/18223 A1</del>	<del>07/06/1995</del>	<del>WIPO</del>			<del>No</del>
	59.	WO 95/18854 A1	07/13/1995	WIPO			
	60.	WO 95/23225 A2	08/31/1995	WIPO			
	61.	WO 95/27783 A1	10/19/1995	WIPO			
	62.	WO 95/34668 A2	12/21/1995	WIPO			
	63.	WO 95/34668 A3	02/01/1996	WIPO			
	64.	WO 95/34668 A3	04/18/1996	WIPO			

Examiner  92271 vl/DC	Date Considered
-----------------------------	-----------------

**Examiner:** Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.L./

<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)  <b>PTO Form 1449</b>	<b>Attorney Docket No.</b> NUCL-002/01US	<b>Application No.</b> 10/762,395
	<b>Applicants:</b> Tony GIORDANO <i>et al.</i> <b>PAGE 3 of 30</b>	
	<b>Filing Date:</b> January 22, 2004	<b>Group Art Unit:</b> 1639

**FOREIGN PATENT DOCUMENTS**

		Document No.	Date	Country	Class	Sub-Class	Translation
	65.	WO 96/35706 A1	11/14/1996	WIPO			
	66.	WO 96/08558 A1	03/21/1996	WIPO			
	67.	WO 97/01952 A1	01/23/1997	WIPO			
	68.	WO 97/07668 A1	03/06/1997	WIPO			
	69.	WO 97/10360 A1	03/20/1997	WIPO			
	70.	WO 97/11170 A1	03/27/1997	WIPO			
	71.	WO 97/34638 A1	09/25/1997	WIPO			
	72.	WO 97/44450 A1	11/27/1997	WIPO			
	73.	WO 98/05770 A2	03/12/1998	WIPO			No
	74.	WO 98/05770 A3	03/26/1998	WIPO			
	75.	WO 98/18811 A1	05/07/1998	WIPO			
	76.	WO 98/36083 A1	08/20/1998	WIPO			
	77.	WO 98/37213 A1	08/27/1998	WIPO			
	78.	WO 98/44138 A1	10/08/1998	WIPO			
	79.	WO 98/53083 A1	11/26/1998	WIPO			
	80.	WO 99/09045 A1	02/25/1999	WIPO			
	81.	WO 99/15682 A2	04/01/1999	WIPO			
	82.	WO 99/25853 A1	05/27/1999	WIPO			
	83.	WO 99/32619 A1	07/01/1999	WIPO			
	84.	WO 99/49029 A1	09/30/1999	WIPO			
	85.	WO 99/53050 A1	10/21/1999	WIPO			
	86.	WO 99/61631 A1	12/02/1999	WIPO			
	87.	WO 00/01846 A2	01/13/2000	WIPO			
	88.	WO 00/44895 A1	08/03/2000	WIPO			No
	89.	WO 01/04313 A1	01/18/2001	WIPO			
	90.	WO 01/29058 A1	04/26/2001	WIPO			
	91.	WO 01/36646 A1	05/25/2001	WIPO			
	92.	WO 01/48183 A2	07/05/2001	WIPO			
	93.	WO 01/48183 A3	12/06/2001	WIPO			
	94.	WO 01/70949 A1	09/27/2001	WIPO			
	95.	WO 01/75164 A	10/11/2001	WIPO			
	96.	WO 01/88114 A2	11/22/2001	WIPO			
	97.	WO 01/88114 A3	06/20/2002	WIPO			
	98.	WO 02/044321 A2	06/06/2002	WIPO			

Examiner  
92271 v1/DC

Date Considered

**Examiner:** Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.L./

<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)  <b>PTO Form 1449</b>	<b>Attorney Docket No.</b> NUCL-002/01US	<b>Application No.</b> 10/762,395
	<b>Applicants:</b> Tony GIORDANO <i>et al.</i> <b>PAGE 4 of 30</b>	
	<b>Filing Date:</b> January 22, 2004	<b>Group Art Unit:</b> 1639

FOREIGN PATENT DOCUMENTS							
		Document No.	Date	Country	Class	Sub-Class	Translation
	99.	WO 02/044321 A3	10/23/2003	WIPO			
	100.	WO 03/006477 A1	01/23/2003	WIPO			
	101.	WO 03/022052 A1	03/20/2003	WIPO			
	102.	WO 03/027298 A1	04/03/2003	WIPO			
	103.	WO 03/056012 A1	07/10/2003	WIPO			

Initial	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)						
	104.	"somatic cell," on-line medical dictionary, <a href="http://cancerweb.ncl.ac.uk/cgi-bin/">http://cancerweb.ncl.ac.uk/cgi-bin/</a> (January 2006).					
	105.	Agrawal <i>et al.</i> , "Antisense therapeutics: is it as simple as complementary base recognition?" <i>Molecular Medicine Today</i> 6:72-81 (2000).					
	106.	Agrawal <i>et al.</i> , "RNA Interference: Biology, Mechanism, and Applications" <i>Microb. Mot. Biol. Rev.</i> 67:657-685 (2003).					
	107.	Agrawal <i>et al.</i> , "Self-Stabilized Oligonucleotides as Novel Antisense Agents," in <u>Delivery Strategies: antisense oligonucleotide therapeutics</u> , Ahkter <i>et al.</i> , Eds., pp. 105-121 CRC Press, Inc., Boca Raton, Florida (1995).					
	108.	Agrawal, "Antisense oligonucleotides: towards clinical trials," <i>TIBTECH</i> 14: 376-387 (1996).					
	109.	Akgun <i>et al.</i> , "Palindrome Resolution and Recombination in the Mammalian Germ Line", <i>Mol. Cell. Biol.</i> 17: 5559-5570 (September 1997).					
	110.	Akhtar <i>et al.</i> , "Anti-HIV therapy with antisense oligonucleotides and ribozymes: realistic approaches or expensive myths?" <i>J. Antimicrob. Chemother.</i> 38: 159-165 (1996).					
	111.	Ambion, "pT7/T3 18" and "pT7/T3 19" 4 pages (date unknown).					
	112.	Anderson, "Human gene therapy," <i>Nature</i> 392:25-30 (1998).					
	113.	Angell <i>et al.</i> , "Consistent gene silencing in transgenic plants expressing a replicating potato virus X RNA," <i>EMBO J.</i> 16(12):3675-3684 (1997).					
	114.	Annex B filed in EP 99 910 039.9 (September 9, 2005).					
	115.	Annex C filed in EP 99 910 039.9 (September 9, 2005).					
	116.	Annex D filed in EP 99 910 039.9 (September 9, 2005).					

Examiner  92271 v1/DC	Date Considered
-----------------------------	-----------------

**Examiner:** Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.L./

<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)  <b>PTO Form 1449</b>	<b>Attorney Docket No.</b> NUCL-002/01US	<b>Application No.</b> 10/762,395
	<b>Applicants:</b> Tony GIORDANO <i>et al.</i> <b>PAGE 5 of 30</b>	
	<b>Filing Date:</b> January 22, 2004	<b>Group Art Unit:</b> 1639

Initial		OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)
	117.	Appeal against decision to refuse a European patent application issued July 11, 2005, filed in EP 99 910 039.9 (September 9, 2005).
	118.	Assaad <i>et al.</i> , "Epigenetic repeat-induced gene silencing (RIGS) in <i>Arabidopsis</i> ," <i>Plant Molecular Biology</i> <b>22(6)</b> : 1067-1085 (1993).
	119.	Author unknown, "Breakthrough of the Year #4: Still hot," <i>Science</i> <b>302</b> :2038-2045 (2003).
	120.	Bahner <i>et al.</i> , "Transduction of Human CD34 <sup>+</sup> Hematopoietic Progenitor Cells by a Retroviral Vector Expressing an RRE Decoy Inhibits Human Immunodeficiency Virus Type I Replication in Myelomonocytic Cells Produced in Long-Term Culture," <i>J. Virol.</i> <b>70</b> :4352-4360 (1996).
	121.	Bahramian <i>et al.</i> "Transcriptional and Posttranscriptional Silencing of Rodent $\alpha 1(I)$ Collagen by a Homologous Transcriptionally Self-Silenced Transgene" <i>Mol. Cell. Biol.</i> <b>19(1)</b> :274-283 (1999).
	122.	Balandin <i>et al.</i> , "Silencing of a $\beta$ -1-3-glucanase transgene is overcome during seed formation," <i>Plant Molecular Biology</i> <b>34(1)</b> :125-137 (1997).
	123.	Barbeau <i>et al.</i> , "Characterization of the human and mouse Fli-1 promoter regions," <i>Biochim. Biophys. Acta</i> <b>1307</b> : 220-232 (1996).
	124.	Barlow <i>et al.</i> , "Interferon synthesis in the early post-implantation mouse embryo," <i>Differentiation</i> <b>27</b> :229-235 (1984).
	125.	Bass, "RNA Interference: The short answer," <i>Nature</i> <b>411</b> :428-429 (2001).
	126.	Baulcombe, "RNA as a target and an initiator of post-transcriptional gene silencing in transgenic plants," <i>Plant Molecular Biology</i> <b>32(1-2)</b> :79-88 (1996).
	127.	Baum <i>et al.</i> , "Inhibition of Protein Synthesis in Reticulocyte Lysates by a Double-Stranded RNA Component in Hela mRNA," <i>Biochem. Biophys. Res. Commun</i> <b>114</b> :41-49 (1983).
	128.	Beretta <i>et al.</i> , "Expression of the protein kinase PKR is modulated by IRF-1 and is reduced in 5q-associated leukemias," <i>Oncogene</i> <b>12</b> :1593-1596 (1996).
	129.	Betz, "RNAi: RNA Interference," <i>Promega Notes Magazine</i> , Number 83, pp. 33-36 (2003).
	130.	Bevec <i>et al.</i> , "Constitutive Expression of Chimeric Neo-Rev Response Element Transcripts Suppresses HIV-1 Replication in Human CD4 <sup>+</sup> T Lymphocytes," <i>Hum. Gene Ther.</i> <b>5</b> :193-201 (1994).

Examiner  92271 v1/DC	Date Considered
<b>Examiner:</b> Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.L./

<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)  <b>PTO Form 1449</b>	<b>Attorney Docket No.</b> NUCL-002/01US	<b>Application No.</b> 10/762,395
	<b>Applicants:</b> Tony GIORDANO <i>et al.</i> <b>PAGE 6 of 30</b>	
	<b>Filing Date:</b> January 22, 2004	<b>Group Art Unit:</b> 1639

Initial	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)
131.	Bevilacqua, <i>et al.</i> , "Antisense RNA inhibits endogenous gene expression in mouse preimplantation embryos: Lack of double-stranded RNA "melting" activity," <i>Proc. Natl. Acad. Sci. USA</i> <b>85</b> :831-835 (1988).
132.	Bhan <i>et al.</i> , "2',5'-Linked Oligo-3'-deoxyribonucleoside phosphorothiate chimeras: thermal stability and antisense inhibition of gene expression" <i>Nucl. Acids Res.</i> <b>1(16)</b> :3310-3317 (1997).
133.	Bigler <i>et al.</i> , "Novel location and function of a thyroid hormone response element," <i>EMBO J.</i> <b>14</b> :5710-5723 (1995).
134.	Billy <i>et al.</i> "Specific interference with gene expression induced by long, double stranded RNA in mouse embryonal teratocarcinoma cell lines," <i>Proc. Natl. Acad. Sci. USA</i> <b>98(25)</b> :14428-14433 (2001).
135.	Bingham, "Cosuppression Comes to the Animals," <i>Cell</i> <b>90(3)</b> :385-387 (1997).
136.	Birchler <i>et al.</i> , "Making noise about silence: repression of repeated genes in animals" <i>Curr. Opin. Genet. Develop.</i> <b>10</b> :211-216 (2000).
137.	Bisat <i>et al.</i> , "Differential and cell type specific expression of murine alpha-interferon genes is regulated on the transcriptional level," <i>Nucl. Acids Res.</i> <b>13</b> :6067-6083 (1988).
138.	Boldin <i>et al.</i> , "Involvement of MACH, a Novel MORT1/FADD-Interacting Protease, in Fas/APO-1- and TNF Receptor-Induced Cell Death" <i>Cell</i> <b>85</b> :803-815 (1996).
139.	Borecky <i>et al.</i> , "Therapeutic Use of Double-Stranded RNAs in Man" <i>Tex. Rep. Biol. Med.</i> <b>14</b> :575-581 (1981-1982).
140.	Bosher and Labouesse, "RNA Interference: Genetic Wand and Genetic Watchdog," <i>Nature Cell Biology</i> <b>2</b> :E31-E36 (2000).
141.	Bradbrook, "European Search Report," From European patent appl. No 02250681.0, 5 pages, European Patent Office, Munich Germany (mailed December 15, 2003).
142.	Braich <i>et al.</i> , "Regiospecific Solid-Phase Synthesis of Branched Oligonucleotides. Effect of Vicinal 2',5'-(or 2',3'-) and 3',5' Phosphodiester Linkages on the Formation of Hairpin DNA" <i>Bioconjugate Chem.</i> <b>8</b> :370-377 (1997).
143.	Branch, "A good antisense molecule is hard to find," <i>Trends Biochem. Sci.</i> <b>23</b> :45-50 (1998).
144.	Brand <i>et al.</i> , "The Tat Protein Of Human Immunodeficiency Virus Type 1 Is a Substrate and Inhibitor of the Interferon-induced, Virally Activated Protein Kinase, PKR," <i>J. Biol. Chem.</i> <b>272</b> :8388-8395 (1997).

Examiner  92271 v1/DC	Date Considered
-----------------------------	-----------------

**Examiner:** Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.L./

<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)  <b>PTO Form 1449</b>	<b>Attorney Docket No.</b> NUCL-002/01US	<b>Application No.</b> 10/762,395
	<b>Applicants:</b> Tony GIORDANO <i>et al.</i> <b>PAGE 7 of 30</b>	
	<b>Filing Date:</b> January 22, 2004	<b>Group Art Unit:</b> 1639

Initial		OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)
	145.	Brigneti <i>et al.</i> , "Viral pathogenicity determinants are suppressors of transgene silencing in <i>Nicotiana benthamiana</i> ," <i>EMBO J.</i> <b>17(22)</b> :6739-6746 (1998).
	146.	Brown <i>et al.</i> , "Identification through Overexpression and Tagging of the Variant Type of the Mouse H1e and H1c Genes," <i>J. Biol. Chem.</i> <b>268</b> :713-718 (1993).
	147.	Brummelkamp <i>et al.</i> , "Stable suppression of tumorigenicity by virus-mediated RNA," <i>Cancer Cell</i> <b>2</b> :243-247 (2002).
	148.	Brummelkamp <i>et al.</i> , "A System for Stable Expression of Short Interfering RNAs in Mammalian Cells," <i>Science</i> <b>296</b> :550-553 (2002).
	149.	Brummell <i>et al.</i> , "Inverted repeat of a heterologous 3'-untranslated region for high-efficiency, high-throughput gene silencing" <i>Plant J.</i> <b>33</b> :793-800 (2003).
	150.	Buchan <i>et al.</i> , "Characterization of three non-peptide endothelin receptor ligands using human cloned ET <sub>a</sub> and ET <sub>b</sub> receptors," <i>Br. J. Pharmacol.</i> <b>112</b> : 1251-1257 (1994).
	151.	Burke <i>et al.</i> , "Appearance of Interferon Inducibility and Sensitivity During Differentiation of Murine Tetrocarcinoma Cells in Vitro," <i>Cell</i> <b>13(2)</b> :243-248 (1978).
	152.	Cameron <i>et al.</i> , "Multiple Domains in a Ribozyme Construct Confer Increased Suppressive Activity in Monkey Cells" <i>Antisense Res. Develop.</i> <b>4</b> :87-94 (1994).
	153.	Cameron <i>et al.</i> , "Inhibition of gene expression by a short sense fragment," <i>Nucl. Acids Res.</i> <b>19(3)</b> :469-475 (1991).
	154.	Caplen <i>et al.</i> , "dsRNA-mediated gene silencing in cultured <i>Drosophila</i> cells: a tissue culture model for the analysis of RNA interference," <i>Gene</i> <b>252</b> :95-105 (2000).
	155.	Caplen <i>et al.</i> , "Specific inhibition of gene expression by small double-stranded RNAs in invertebrate and vertebrate systems," <i>Proc. Natl. Acad. Sci. USA</i> <b>98</b> :9742-9747 (2001).
	156.	Carthew, "Gene silencing by double-stranded RNA" <i>Curr. Opin. Cell. Biol.</i> <b>13</b> :244-248 (2001).
	157.	Chernajovsky <i>et al.</i> , "Human Kinesin Light ( $\beta$ ) Chain Gene: DNA Sequence and Functional Characterization of Its Promoter and First Exon," <i>DNA Cell Biol.</i> <b>15</b> : 965-974 (1996).
	158.	Christy <i>et al.</i> , "Functional Analysis of the Long Terminal Repeats of Intracisternal A-Particle Genes: Sequences within the U3 Region Determine Both the Efficiency and Direction of Promoter Activity," <i>Mol. Cell. Biol.</i> <b>8</b> :1093-1102 (1988).

Examiner  92271 v1/DC	Date Considered
<b>Examiner:</b> Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.L./

<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)  <b>PTO Form 1449</b>	<b>Attorney Docket No.</b> NUCL-002/01US	<b>Application No.</b> 10/762,395
	<b>Applicants:</b> Tony GIORDANO <i>et al.</i> <b>PAGE 8 of 30</b>	
	<b>Filing Date:</b> January 22, 2004	<b>Group Art Unit:</b> 1639

Initial		OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)
	159.	Chuah <i>et al.</i> , "Inhibition of Human Immunodeficiency Virus Type-1 by Retroviral Vectors Expressing Antisense- TAR," <i>Human Gene Therapy</i> 5:1467-1475 (1994).
	160.	Clusel <i>et al.</i> , "Ex vivo regulation of specific gene expression by nanomolar concentration of double-stranded dumbbell oligonucleotides," <i>Nucl. Acids Res.</i> 21:3405-3411 (1993).
	161.	Clusel <i>et al.</i> , "Inhibition of HSV-1 Proliferation by Decoy Phosphodiester Oligonucleotides Containing ICP4 Recognition Sequences," <i>Gene Expression</i> 4:301-309 (1995).
	162.	Cogoni <i>et al.</i> , "Suppression of gene expression by homologous transgenes," <i>Antonie Van Leeuwenhoek</i> 65(3):205-209 (1994).
	163.	Cogoni <i>et al.</i> , "Transgene silencing of the <i>al-1</i> gene in vegetative cells of <i>Neurospora</i> is mediated by a cytoplasmic effector and does not depend on DNA-DNA interactions or DNA methylation," <i>EMBO J.</i> 15(12):3153-3163 (1996).
	164.	Cogoni <i>et al.</i> , "Isolation of quelling-defective ( <i>qde</i> ) mutants impaired in posttranscriptional transgene-induced gene silencing in <i>Neurospora crassa</i> ," <i>Proc. Natl. Acad. Sci. USA</i> 94(19):10233-10238 (1997).
	165.	Cogoni <i>et al.</i> , "Post-transcriptional gene silencing across kingdoms" <i>Curr. Opin. Genet. Devel.</i> 10:638-643 (2000).
	166.	Cogoni <i>et al.</i> , "Gene silencing in <i>Neurospora crassa</i> requires a protein homologous to RNA-dependent RNA polymerase," <i>Nature</i> 399:166-169 (1999).
	167.	Cogoni <i>et al.</i> , "Posttranscriptional Gene Silencing in <i>Neurospora</i> by a RecQ DNA Helicase," <i>Science</i> 286:2342-2344 (1999).
	168.	Cohli <i>et al.</i> , "Inhibition of HIV-1 Multiplication in a Human CD4 <sup>+</sup> Lymphocytic Cell Line Expressing Antisense and Sense RNA Molecules Containing HIV-1 Packaging Signal and Rev Response Element(s)," <i>Antisense Research and Development</i> 4:19-26 (1994).
	169.	Coleman <i>et al.</i> , "The Use of RNAs Complementary to Specific mRNAs to Regulate the Expression of Individual Bacterial Genes" <i>Cell</i> 37:429-436 (1984).
	170.	Copy of the European Register for DE 199 03 713.2
	171.	Copy of the European Register for WO 00/63364
	172.	Copy of the European Register for WO 00/44914

Examiner  92271 v1/DC	Date Considered
<b>Examiner:</b> Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.L./



<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)  <b>PTO Form 1449</b>	<b>Attorney Docket No.</b> NUCL-002/01US	<b>Application No.</b> 10/762,395
	<b>Applicants:</b> Tony GIORDANO <i>et al.</i> <b>PAGE 9 of 30</b>	
	<b>Filing Date:</b> January 22, 2004	<b>Group Art Unit:</b> 1639

Initial	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)
173.	Courtney-Gutterson <i>et al.</i> , "Modification of Flower Color in Florist's Chrysanthemum: Production of White-Flowering Variety Through Molecular Genetics," <i>Biotechnology</i> <b>12(3)</b> :268-271 (1994).
174.	Couzin, "Small RNAs Make Big Splash" <i>Science</i> <b>298</b> :2296-2297 (2002).
175.	Czauderna <i>et al.</i> , "Structural variations and stabilising modifications of synthetic siRNAs in mammalian cells" <i>Nucl. Acids Res.</i> <b>31(11)</b> :1-12 (2003).
176.	Dalmay <i>et al.</i> , "An RNA-Dependent RNA Polymerase Gene in <i>Arabidopsis</i> Is Required for Posttranscriptional Gene Silencing Mediated by a Transgene but Not by a Virus," <i>Cell</i> <b>101</b> :543-553 (2000).
177.	de Carvalho <i>et al.</i> , "Suppression of $\beta$ -1,3-glucanase transgene expression in homozygous Plants," <i>EMBO J.</i> <b>11(7)</b> :2595-2602 (1992).
178.	de Carvalho Niebel <i>et al.</i> , "Post-Transcriptional Cosuppression of $\beta$ -1,3-Glucanase Genes Does Not Affect Accumulation of Transgene Nuclear mRNA," <i>Plant Cell</i> <b>7(3)</b> :347-358 (1995).
179.	De Lange <i>et al.</i> , "Suppression of Flavonoid Flower Pigmentation Genes in <i>Petunia hybrida</i> by the Introduction of Antisense and Sense Genes," <i>Current Topics in Microbiology and Immunology</i> <b>197</b> :57-75 (1995).
180.	Decision to refuse a European patent application dated July 11, 2005, filed in EP 99 910 039.9, 13 pages.
181.	DeCoy <i>et al.</i> , "Anti sense DNA Down-regulates Protein Kinase C- $\epsilon$ and Enhances Vasopressin-stimulated Na <sup>+</sup> Absorption In Rabbit Cortical Collecting Duct," <i>J. Clin. Invest.</i> <b>95</b> :2749-2756 (1995).
182.	Depicker <i>et al.</i> , "Post-transcriptional gene silencing in plants," <i>Current Opinion in Cell Biology</i> <b>9(3)</b> :373-382 (1997).
183.	Di Serio <i>et al.</i> , "Sense- and antisense-mediated gene silencing in tobacco is inhibited by the same viral suppressors and is associated with accumulation of small RNAs," <i>Proc. Natl. Acad. Sci. USA</i> <b>98</b> :6506-6510 (2001).
184.	Ding, "RNA silencing," <i>Current Opinion in Biotechnology</i> <b>11</b> :152-156 (2000).
185.	Dobrikova <i>et al.</i> , "T7 DNA-dependent RNA polymerase can transcribe RNA from tick-borne encephalitis virus (TBEV) cDNA with SP6 promoter," <i>FEBS Lett.</i> <b>382</b> :327-329 (1996).
186.	Doench <i>et al.</i> , "siRNAs can function as miRNAs" <i>Genes Dev.</i> <b>17</b> :438-442 (2003).
187.	Dolnick, "Naturally Occurring Antisense RNA," <i>Pharm. Ther.</i> <b>75</b> :179-184 (1997).

Examiner  92271 v1/DC	Date Considered  
<b>Examiner:</b> Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.L./

<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)  <b>PTO Form 1449</b>	<b>Attorney Docket No.</b> NUCL-002/01US	<b>Application No.</b> 10/762,395
	<b>Applicants:</b> Tony GIORDANO <i>et al.</i> <b>PAGE 10 of 30</b>	
	<b>Filing Date:</b> January 22, 2004	<b>Group Art Unit:</b> 1639

Initial		OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)
	188.	Domeier <i>et al.</i> , "A Link Between RNA Interference and Nonsense-Mediated Decay in <i>Caenorhabditis elegans</i> ," <i>Science</i> <b>289</b> :1928-1930 (2000).
	189.	Dorer <i>et al.</i> , "Expansions of Transgene Repeats Cause Heterochromatin Formation and Gene Silencing in <i>Drosophila</i> ," <i>Cell</i> <b>77</b> :993-1002 (1994).
	190.	Dorer <i>et al.</i> , "Transgene Repeat Arrays Interact with Distant Heterochromatin and Cause Silencing in <i>cis</i> and <i>trans</i> ," <i>Genetics</i> <b>147</b> (3):1181-1190 (1997).
	191.	Dougherty <i>et al.</i> , "Transgenes and gene suppression: telling us something new?" <i>Curr. Opin. Cell Biol.</i> <b>7</b> : 399-405 (1995).
	192.	Dougherty <i>et al.</i> , "RNA-Mediated Virus Resistance In Transgenic Plants: Exploitation Of A Cellular Pathway Possibly Involved In RNA Degradation," <i>Mol. Plant-Microbe Interactions</i> <b>7</b> (5):544-552 (1994).
	193.	Dronkert <i>et al.</i> , "Mouse <i>RAD54</i> Affects DNA Double-Strand Break Repair and Sister Chromatid Exchange," <i>Mol. Cell. Biol.</i> <b>20</b> :3147-3156 (2000).
	194.	Dykxhoorn <i>et al.</i> , "Killing the Messenger: Short RNAs that Silence Gene Expression" <i>Nature Reviews Molecular Cell Biology</i> <b>4</b> :457-467 (2003).
	195.	Elbashir <i>et al.</i> , "Duplexes of 21-nucleotide RNAs mediate RNA interference in cultured mammalian cells" <i>Nature</i> <b>411</b> (6836):494-498 (2001).
	196.	Elbashir <i>et al.</i> , "Functional Anatomy of siRNAs for mediating efficient RNAi in <i>Drosophila melanogaster</i> embryo lysate" <i>EMBO J.</i> <b>20</b> (23):6877-6888 (2001).
	197.	Elbashir <i>et al.</i> , "Analysis of gene function in somatic mammalian cells using small interfering RNAs," <i>Methods</i> <b>26</b> :199-213 (2002).
	198.	Elbashir <i>et al.</i> , "RNA Interference is Mediated by 21- and 22-nucleotide RNAs," <i>Genes Dev.</i> <b>15</b> :188-200 (2001)
	199.	Elroy-Stein <i>et al.</i> , "Cytoplasmic expression system based on constitutive synthesis of bacteriophage T7 RNA polymerase in mammalian cells," <i>Proc. Natl. Acad. Sci. USA</i> <b>87</b> :6743-6747 (1990).
	200.	Engdahl <i>et al.</i> , "A two unit antisense RNA cassette test system for silencing of target genes," <i>Nucl. Acids Res.</i> <b>25</b> (16):3218-3227 (1997).
	201.	English <i>et al.</i> , "Suppression of Virus Accumulation in Transgenic Plants Exhibiting Silencing of Nuclear Genes," <i>Plant Cell</i> <b>8</b> (2):179-188 (1996).

Examiner  92271 v1/DC	Date Considered
-----------------------------	-----------------

**Examiner:** Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.L./

<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)  <b>PTO Form 1449</b>	<b>Attorney Docket No.</b> NUCL-002/01US	<b>Application No.</b> 10/762,395
	<b>Applicants:</b> Tony GIORDANO <i>et al.</i> <b>PAGE 11 of 30</b>	
	<b>Filing Date:</b> January 22, 2004	<b>Group Art Unit:</b> 1639

Initial		OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)
	202.	Escude <i>et al.</i> , "Stable triple helices formed by oligonucleotide N3' → P5' phosphoramidates inhibit transcription elongation," <i>Proc. Natl. Acad. Sci. USA</i> <b>93</b> :4365-4369 (April 1996).
	203.	European Search Report mailed June 3, 2005, for European patent application no. 04015041.9, filed March 19, 1999, 4 pages.
	204.	Extract from Henderson's Dictionary of Biological Terms, 10 <sup>th</sup> Edition, "blastomere," (1989).
	205.	Extract from Henderson's Dictionary of Biological Terms, 10 <sup>th</sup> Edition, "somatic cells," (1989).
	206.	Extract from the New Oxford Dictionary of English, "somatic cells," (1998).
	207.	Extract from Henderson's Dictionary of Biological Terms, 10 <sup>th</sup> Edition, "totipotent," (1989).
	208.	Faruqi <i>et al.</i> , "IFN- $\gamma$ Inhibits Double-Stranded RNA-Induced E-Selectin Expression in Human Endothelial Cells," <i>J. Immunol.</i> <b>159</b> :3989-3994 (1997).
	209.	Fiaschi <i>et al.</i> , "The 5'-untranslated region of the human muscle acylphosphatase mRNA has an inhibitory effect on protein expression," <i>FEBS Lett.</i> <b>417</b> :130-134 (1997).
	210.	Finkler <i>et al.</i> , "Immunity and resistance to the KP6 toxin of <i>Ustilago maydis</i> ," <i>Mol. Gen. Genet.</i> <b>233</b> :395-403 (1992).
	211.	Fire <i>et al.</i> , "Potent and specific genetic interference by double-stranded RNA in <i>Caenorhabditis elegans</i> ," <i>Nature</i> <b>391</b> :806-811 (1998).
	212.	Fire <i>et al.</i> , "Production of antisense RNA leads to effective and specific inhibition of gene expression in <i>C. elegans</i> muscle," <i>Development</i> <b>113</b> :503-514 (1991).
	213.	Fire, "RNA-triggered gene silencing," <i>Trends Genet.</i> <b>15</b> (9):358-363 (1999).
	214.	Flavell, "Inactivation of gene expression in plants as a consequence of specific sequence duplication" <i>Proc. Natl. Acad. Sci.</i> <b>99</b> :3490-3496 (1994).
	215.	Francis <i>et al.</i> , "Control of $\beta$ -Interferon Expression in Murine Embryonal Carcinoma F9 Cells," <i>Mol. Cell. Biol.</i> <b>9</b> :3553-3556 (1989).
	216.	Fraser <i>et al.</i> , "Effects of c-myc first exons and 5' synthetic hairpins on RNA translation in oocytes and early embryos of <i>Xenopus laevis</i> ," <i>Oncogene</i> <b>12</b> (6):1223-1230 (1996).
	217.	Fuerst <i>et al.</i> , "Eukaryotic transient-expression system based on recombinant vaccinia virus that synthesizes bacteriophage T7 RNA polymerase," <i>Proc. Natl. Acad. Sci. USA</i> <b>83</b> :8122-8126 (1986).

Examiner  92271 v1/DC	Date Considered
-----------------------------	-----------------

**Examiner:** Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.L./

<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)  <b>PTO Form 1449</b>	<b>Attorney Docket No.</b> NUCL-002/01US	<b>Application No.</b> 10/762,395
	<b>Applicants:</b> Tony GIORDANO <i>et al.</i> <b>PAGE 12 of 30</b>	
	<b>Filing Date:</b> January 22, 2004	<b>Group Art Unit:</b> 1639

Initial		OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)
	218.	Gao <i>et al.</i> , "Human genes encoding u3 SnRNA associate with coiled bodies in interphase cells and are clustered on chromosome 17p11.2 in a complex inverted repeat structure," <i>Nucl. Acids Res.</i> <b>25</b> :4740-4747 (1997).
	219.	Garrick <i>et al.</i> , "Repeat-induced gene silencing in mammals," <i>Nature Genetics</i> <b>18</b> (1):56-59 (1998).
	220.	Gervais <i>et al.</i> , "Multigene Antiviral Vectors Inhibit Diverse Human Immunodeficiency Virus Type 1 Clades," <i>J. Virol.</i> <b>71</b> (4):3048-3053 (1997).
	221.	Gessani <i>et al.</i> , "Activators of Protein Kinase C Enhance Accumulation of interferon- $\beta$ mRNA in Murine Cell Lines," <i>J. Interferon Res.</i> <b>9</b> :543-550 (1989).
	222.	Gimmi <i>et al.</i> , "alterations in the pre-mRNA topology of the bovine growth hormone polyadenylation region decrease poly(A) site efficiency," <i>Nucl. Acids Res.</i> <b>17</b> :6983-6998 (1989).
	223.	Giordano <i>et al.</i> , "RNAi Triggered By Symmetrically Transcribed Transgenes in <i>Drosophila melanogaster</i> " <i>Genetics</i> <b>160</b> :637-648 (2000).
	224.	Giovannangeli <i>et al.</i> , "Accessibility of nuclear DNA to triplex-forming oligonucleotides: the integrated HIV-1 provirus as a target," <i>Proc. Natl. Acad. Sci. USA</i> <b>94</b> :79-84 (1997).
	225.	Gitlin <i>et al.</i> , "Poliovirus Escape from RNA Interference: Short Interfering RNA-Target Recognition and Implications for Therapeutic Approaches," <i>J. Virol.</i> <b>79</b> :1027-1035 (2005).
	226.	Goff <i>et al.</i> , "Analysis of Hoxd-13 and Hoxd-11 Misexpression in Chick Limb Buds Reveals that Hox Genes Affect Both Bone Condensation and Growth," <i>Development</i> <b>124</b> :627-636 (1997).
	227.	Good <i>et al.</i> , "Expression of small, therapeutic RNAs in human cell nuclei," <i>Gene Ther.</i> <b>4</b> (1): 45-54 (1997).
	228.	Grabarek <i>et al.</i> , "Efficient Delivery of dsRNA into Zona-enclosed Mouse Oocytes and Preimplantation Embryos by Electroporation," <i>Genesis</i> <b>32</b> (4):269-276 (2002).
	229.	Grabarek <i>et al.</i> , "RNA Interference by Production of Short Hairpin dsRNA in ES Cells, Their Differentiated Derivatives, and in Somatic Cell Lines," <i>Biotechniques</i> <b>34</b> (4):734-744 (April 2003).
	230.	Graham <i>et al.</i> , "A Rapid and Reliable Method to Create Tandem Arrays of Short DNA Sequences," <i>BioTech.</i> <b>13</b> :780-789 (1992).
	231.	Graham <i>et al.</i> , "RNA Transcripts of The Human Immunodeficiency Virus Transactivation Response Element Can Inhibit Action of The Viral Transactivator," <i>Proc. Natl. Acad. Sci. USA</i> <b>87</b> :5817-5821 (1990).

Examiner  92271 v1/DC	Date Considered
<b>Examiner:</b> Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.L./

<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)  <b>PTO Form 1449</b>	<b>Attorney Docket No.</b> NUCL-002/01US	<b>Application No.</b> 10/762,395
	<b>Applicants:</b> Tony GIORDANO <i>et al.</i> <b>PAGE 13 of 30</b>	
	<b>Filing Date:</b> January 22, 2004	<b>Group Art Unit:</b> 1639

Initial		OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)
	232.	Grant, "Dissecting the Mechanisms of Posttranscriptional Gene Silencing: Divide and Conquer" <i>Cell</i> <b>96</b> :303-306 (1999).
	233.	Grasby <i>et al.</i> , "Purine Functional Groups in Essential Residues of the Hairpin Ribozyme Required for Catalytic Cleavage of RNA" <i>Biochemistry</i> <b>34</b> :4068-4076 (1995).
	234.	Griffey <i>et al.</i> , "2'O-Aminopropyl Ribonucleotides: A Zwitterionic Modification That Enhances The Exonuclease Resistance and Biological Activity of Antisense Oligonucleotides" <i>J. Med. Chem.</i> <b>39</b> :5100-5109 (1996).
	235.	Groger <i>et al.</i> , "Directional Antisense and cDNA Cloning Using Epstein-Barr Virus Episomal Expression Vectors," <i>Gene</i> <b>81</b> :285-294 (1989).
	236.	Gryaznov <i>et al.</i> , "Template Controlled Coupling and Recombination of Oligonucleotide Blocks Containing Thiophosphoryl Groups" <i>Nucl. Acids Res.</i> <b>21</b> (6):1403-1408 (1993).
	237.	Gura, "A silence that speaks volumes," <i>Nature</i> <b>404</b> :804-808 (2000).
	238.	Ha <i>et al.</i> , "A Bulged lin-4/lin-14 RNA Duplex is Sufficient For <i>Caenorhabditis elegans</i> lin-14 Temporal Gradient Formation" <i>Genes Dev.</i> <b>10</b> :3041-3050 (1996).
	239.	Hacker <i>et al.</i> , "Expression of SRY, The Mouse Sex Determining Gene," <i>Development</i> <b>121</b> :1603-1614 (1995).
	240.	Haggarty <i>et al.</i> , "An embryonic DNA-binding protein specific for a region of the human IFN $\beta$ promoter," <i>Nucl. Acids Res.</i> <b>16</b> :10575-10592 (1988).
	241.	Haines <i>et al.</i> , "Cellular Response To Double-Stranded RNA," <i>J. Cell. Biochem.</i> <b>46</b> :9-20 (1991).
	242.	Hamilton <i>et al.</i> , "A transgene with repeated DNA causes high frequency, post-transcriptional suppression of ACC-oxidase gene expression in tomato," <i>Plant J.</i> <b>15</b> (6):737-746 (1998).
	243.	Hamilton <i>et al.</i> , "A Species of Small Antisense RNA in Posttranscriptional Gene Silencing in Plants," <i>Science</i> <b>286</b> :950-952 (1999).
	244.	Hammond <i>et al.</i> , "An RNA-directed nuclease mediates post-transcriptional gene silencing in <i>Drosophila</i> cells," <i>Nature</i> <b>404</b> :293-296 (2000).
	245.	Hannon, "RNA Interference" <i>Nature</i> <b>418</b> :244-251 (2002).
	246.	Harada <i>et al.</i> , "Absence of the Type I IFN System in EC Cells: Transcriptional Activator (IRF-1) and Repressor (IRF-2) Genes are Developmentally Regulated," <i>Cell</i> <b>63</b> :303-312 (1990).

Examiner  92271 v1/DC	Date Considered
-----------------------------	-----------------

**Examiner:** Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.L./

<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)  <b>PTO Form 1449</b>	<b>Attorney Docket No.</b> NUCL-002/01US	<b>Application No.</b> 10/762,395
	<b>Applicants:</b> Tony GIORDANO <i>et al.</i> <b>PAGE 14 of 30</b>	
	<b>Filing Date:</b> January 22, 2004	<b>Group Art Unit:</b> 1639

Initial		OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)
	247.	Harbinder <i>et al.</i> , "Genetically Targeted Cell Disruption In <i>Caenorhabditis Elegans</i> ," <i>Proc. Natl. Acad. Sci. USA</i> <b>94</b> :13128-13133 (1997).
	248.	Harborth <i>et al.</i> "Sequence, Chemical, and Structural Variation of Small Interfering RNAs and SHort Hairpin RNAs and the Effect on Mammalian Gene Silencing" <i>Antisense and Nucleic Acid Drug Development</i> <b>13</b> :83-105 (2003).
	249.	Harborth <i>et al.</i> "Identification of essential genes in cultured mammalian cells using small interfering RNAs," <i>J. Cell Science</i> <b>114</b> :4557-4565 (2001).
	250.	Harcourt <i>et al.</i> , "Ebola Virus Inhibits Induction of Genes by Double-Stranded RNA in Endothelial Cells," <i>Virology</i> <b>252</b> :179-188 (1998).
	251.	Harfe <i>et al.</i> , "Analysis of a <i>Caenorhabditis elegans</i> Twist Homolog Identifies Conserved and Divergent Aspects of Mesodermal Patterning," <i>Genes Dev.</i> <b>12</b> :2623-2635 (1998).
	252.	Henderson <i>et al.</i> , "Instability of a Plasmid-Borne Intervened Repeat in <i>Saccharomyces cerevisiae</i> ," <i>Genetics</i> <b>134</b> :57-62 (1993).
	253.	Henry <i>et al.</i> , "Mechanism of interferon action. Translational control and the RNA-dependent protein kinase (PKR): antagonists of PKR enhance the translational activity of mRNAs that include a 161 nucleotide region from reovirus S1 mRNA," <i>J. Biol. Regulators Homeostat. Agents</i> <b>8</b> :15-24 (1994).
	254.	Hirashima <i>et al.</i> , "Artificial Immune System against Viral Infection Involving Antisense RNA targeted to the 5'-Terminal Noncoding Region of Coliphage SP RNA," <i>J. Biochem.</i> <b>106</b> :163-166 (1989).
	255.	Hirashima <i>et al.</i> , "Engineering of the mRNA-interfering Complementary RNA Immune System Against Viral Infection," <i>Proc. Natl. Acad. Sci. USA</i> <b>83</b> :7726-7730 (1986).
	256.	Hoke <i>et al.</i> , "Effects of Phosphorothioate Capping On Antisense Oligonucleotide Stability, Hybridization and Antiviral Efficacy Versus Herpes Simplex Virus Infection" <i>Nucl. Acids Res.</i> <b>19(20)</b> :5743-5748 (1991).
	257.	Holen <i>et al.</i> , "Positional effects of short interfering RNAs targeting the human coagulation trigger Tissue Factor" <i>Nucl. Acids Res.</i> <b>30(8)</b> :1757-1766 (2002).
	258.	Hungarian Patent Office Search Report mailed July 13, 2004 for Hungarian patent application no. P0101225, 1 page.
	259.	Imazeki <i>et al.</i> , "Integrated Structures of Duck Hepatitis B Virus DNA in Hepatocellular Carcinoma," <i>J. Virol.</i> <b>62</b> :861-865 (1988).

Examiner  92271 v1/DC	Date Considered
-----------------------------	-----------------

**Examiner:** Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.L./

<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)  <b>PTO Form 1449</b>	<b>Attorney Docket No.</b> NUCL-002/01US	<b>Application No.</b> 10/762,395
	<b>Applicants:</b> Tony GIORDANO <i>et al.</i> <b>PAGE 15 of 30</b>	
	<b>Filing Date:</b> January 22, 2004	<b>Group Art Unit:</b> 1639

Initial		OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)
	260.	International Search Report mailed on May 10, 1999, for PCT patent application no. PCT/AU99/00195, filed on March 19, 1999: 3 pages.
	261.	International Search Report mailed on May 10, 2001, for PCT patent application no. PCT/AU01/00297, filed on March 16, 2001: 3 pages.
	262.	International Search Report mailed on November 14, 2002, for PCT patent application no. PCT/AU02/01326, filed on September 27, 2002: 5 pages.
	263.	Invitrogen, Map for pcDNAI, 1 page (date unknown).
	264.	James, "Towards gene-inhibition therapy: a review of progress and prospects in the field of antiviral antisense nucleic acids and ribozymes," <i>Antiviral Chem. &amp; Chemother.</i> <b>2(4)</b> :191-214 (1991).
	265.	Jen <i>et al.</i> , "Suppression of Gene Expression by Targeted Disruption of Messenger RNA: Available Options and Current Strategies," <i>Stem Cells</i> <b>18</b> :307-319 (2000).
	266.	Jorgensen <i>et al.</i> , "Do Unintended Antisense Transcripts Contribute To Sense Cosuppression in Plants," <i>TIG</i> <b>15</b> :11-12 (1999).
	267.	Jorgensen, "Altered gene expression in plants due to trans interactions between homologous genes," <i>Trends Biotechnol.</i> <b>8(12)</b> :340-344 (1990).
	268.	Jorgensen <i>et al.</i> , "Chalcone synthase cosuppression phenotypes in petunia flowers: comparison of sense vs. antisense constructs and single-copy vs. complex T-DNA sequences," <i>Plant Mol. Biol.</i> <b>31(5)</b> :957-973 (1996).
	269.	Kappel <i>et al.</i> , "Regulating gene expression in transgenic animals," <i>Curr. Opin. Biotechnol.</i> <b>3</b> :548-553 (1992).
	270.	Katsuki <i>et al.</i> , "Conversion of Normal Behavior to Shiverer by Myelin Basic Protein Antisense cDNA in Transgenic Mice," <i>Science</i> <b>241(4865)</b> :593-595 (1988).
	271.	Kennerdell <i>et al.</i> , "Heritable Gene Silencing in Drosophila Using Double-Stranded RNA" <i>Nat. Biotechnol.</i> <b>18</b> :896-898 (2000).
	272.	Kennerdell <i>et al.</i> , "Use of dsRNA-Mediated Genetic Interference to Demonstrate that frizzled and frizzled 2 Act in the Wingless Pathway," <i>Cell</i> <b>95</b> :1017-1026 (1998).
	273.	Kibler <i>et al.</i> , "Double-Stranded RNA is a Trigger for Apoptosis in Vaccinia Virus-Infected Cells." <i>J. Virol.</i> <b>71</b> :1992-2003 (1997).

Examiner  92271 v1/DC	Date Considered
<b>Examiner:</b> Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.L./

<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)  <b>PTO Form 1449</b>	<b>Attorney Docket No.</b> NUCL-002/01US	<b>Application No.</b> 10/762,395
	<b>Applicants:</b> Tony GIORDANO <i>et al.</i> <b>PAGE 16 of 30</b>	
	<b>Filing Date:</b> January 22, 2004	<b>Group Art Unit:</b> 1639

Initial		OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)
	274.	Kirchhoff <i>et al.</i> , "IRF-1 induced cell growth inhibition and interferon induction requires the activity of the protein kinase PKR," <i>Oncogene</i> <b>11</b> :439-445 (1995).
	275.	Kitabwalla <i>et al.</i> , "RNA Interference - A New Weapon Against HIV and Beyond" <i>New Engl. J. Med.</i> <b>347(17)</b> :1364-1367 (2002).
	276.	Klaff <i>et al.</i> , "RNA Structure and The Regulation of Gene Expression," <i>Plant Mol. Biol.</i> <b>32</b> :89-106 (1996).
	277.	Klink <i>et al.</i> , "The Efficacy of RNAi in the Study of the Plant Cytoskeleton" <i>J. Plant Growth Reg.</i> <b>19</b> :371-384 (2000).
	278.	Knoester <i>et al.</i> , "Modulation of stress-inducible ethylene biosynthesis by sense and antisense gene expression in tobacco," <i>Plant Science</i> <b>126</b> :173-183 (1997).
	279.	Kook <i>et al.</i> , "The effect of antisense inhibition of urokinase receptor in human squamous cell carcinoma on malignancy," <i>EMBO J.</i> <b>13(17)</b> :3983-3991 (1994).
	280.	Kowolik <i>et al.</i> , "Locus Control Region of the Human CD2 Gene in a Lentivirus Vector Confers Position-Independent Transgene Expression" <i>J. Virol.</i> <b>75(10)</b> :4641-4648 (2001).
	281.	Kowolik <i>et al.</i> , "Preferential Transduction of Human Hepatocytes with Lentiviral Vectors Pseudotyped By Sendai Virus F Protein" <i>Molecular Therapy</i> <b>5(6)</b> :762-769 (2002)
	282.	Kozak, "Influences of mRNA secondary structure on initiation by eukaryotic ribosomes," <i>Proc. Natl. Acad. Sci. USA</i> <b>83</b> :2850-2854 (1986).
	283.	Kozak, "Circumstances and Mechanisms of Inhibition of Translation by Secondary Structure in Eucaryotic mRNAs," <i>Mol. Cell. Biol.</i> <b>9</b> :5134-5142 (1989).
	284.	Kreutzer, "Specific inhibition of viral gene expression by double-stranded RNA in vitro" Fall Meeting S169.
	285.	Krystal <i>et al.</i> , "Multiple Mechanisms for Transcriptional Regulation of the myc Gene Family in Small-Cell Lung Cancer," <i>Mol. Cell. Biol.</i> <b>8</b> :3373-3381 (1988).
	286.	Krystal <i>et al.</i> , "N-myc mRNA Forms an RNA-RNA Duplex with Endogenous Antisense Transcripts," <i>Mol. Cell. Biol.</i> <b>10</b> :4180-4191 (1990).
	287.	Kumar <i>et al.</i> , "Antisense RNA: Function and Fate of Duplex RNA in Cells of Higher Eukaryotes" <i>Microbiology and Molecular Biology Reviews</i> <b>62(4)</b> :1415-1434 (1998).

<b>Examiner</b>  92271 v1/DC	<b>Date Considered</b>  
------------------------------------	--------------------------------

**Examiner:** Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.L./



<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)  <b>PTO Form 1449</b>	<b>Attorney Docket No.</b> NUCL-002/01US	<b>Application No.</b> 10/762,395
	<b>Applicants:</b> Tony GIORDANO <i>et al.</i> <b>PAGE 17 of 30</b>	
	<b>Filing Date:</b> January 22, 2004	<b>Group Art Unit:</b> 1639

Initial		OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)
	288.	Kunz <i>et al.</i> , "Developmentally regulated silencing and reactivation of tobacco chitinase transgene expression," <i>Plant J.</i> <b>10(3)</b> :437-450 (1996).
	289.	Kurreck, "Antisense technologies. Improvement thorough novel chemical modifications," <i>Eur. J. Biochem</i> <b>270</b> :1628-1644 (2003).
	290.	Leach <i>et al.</i> , "Viability of $\lambda$ phages carrying a perfect palindrome in the absence of recombination nucleases," <i>Nature</i> <b>305</b> :448-451 (1983).
	291.	Leach <i>et al.</i> , Long DNA palindromes, cruciform structures, genetic instability and secondary structure repair," <i>BioEssays</i> <b>16</b> :893-900 (1994).
	292.	Lee <i>et al.</i> , "The C. elegans Heterochronic Gene <i>lin-4</i> Encodes Small RNAs with Antisense Complementarity to <i>lin-14</i> ," <i>Cell</i> <b>75</b> :843-854 (1993).
	293.	Lee <i>et al.</i> , "The Hemagglutinin Genes <i>hagB</i> and <i>hagC</i> of <i>Porphyromonas gingivalis</i> Are Transcribed in Vivo as Shown by Use of a New Expression Vector," <i>Infect. Immun.</i> <b>64</b> :4802-4810 (1996).
	294.	Lee <i>et al.</i> , "Inhibition of Human Immunodeficiency Virus Type 1 in Human T Cells by a Potent Rev Response Element Decoy Consisting of 13-Nucleotide Minimal Rev-Binding Domain," <i>J. Virol.</i> <b>68(12)</b> :8254-8264 (1994).
	295.	Lee <i>et al.</i> , "Post-transcriptional gene silencing of ACC synthase in tomato results from cytoplasmic RNA degradation," <i>Plant J.</i> <b>12(5)</b> :1127-1137 (1997).
	296.	Li <i>et al.</i> , "Double-Stranded RNA Injections Produces Null Phenotype in Zebrafish" <i>Dev. Biol.</i> <b>217(2)</b> :394-405. Erratum in: <i>Dev. Biol.</i> <b>220(2)</b> :432 (2000).
	297.	Liehaber <i>et al.</i> , "Translation Inhibition by an mRNA Coding Region Secondary Structure is Determined by Its Proximity to the <u>AUG</u> Initiation Codon," <i>J. Mol. Biol.</i> <b>226</b> :609-621 (1992).
	298.	Lin <i>et al.</i> , "Policing Rogue Genes" <i>Nature</i> <b>402</b> :128-129 (1999).
	299.	Lindbo <i>et al.</i> , "Induction of a Highly Specific Antiviral State in Transgenic Plants: Implications for Regulation of Gene Expression and Virus Resistance," <i>Plant Cell</i> <b>5(12)</b> :1749-1759 (1993).
	300.	Lindbo <i>et al.</i> , "Pathogen-Derived Resistance To A Potyvirus: Immune And Resistant Phenotypes In Transgenic Tobacco Expressing Altered Forms Of A Potyvirus Coat Protein Nucleotide Sequence," <i>Mol. Plant-Microbe Interactions</i> <b>5(2)</b> :144-153 (1992).
	301.	Lingelbach <i>et al.</i> , "An extended RNA/RNA duplex structure within the coding region of mRNA does not block translational elongation," <i>Nucl. Acids Res.</i> <b>16</b> :3405-3414 (1988).

Examiner  92271 v1/DC	Date Considered
-----------------------------	-----------------

**Examiner:** Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.L./

<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)  <b>PTO Form 1449</b>	<b>Attorney Docket No.</b> NUCL-002/01US	<b>Application No.</b> 10/762,395
	<b>Applicants:</b> Tony GIORDANO <i>et al.</i> <b>PAGE 18 of 30</b>	
	<b>Filing Date:</b> January 22, 2004	<b>Group Art Unit:</b> 1639

Initial		OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)
	302.	Lipinski <i>et al.</i> , "Experimental and computational approaches to estimate solubility and permeability in drug discovery and development settings" <i>Advanced Drug Delivery Reviews</i> <b>23</b> :3-25 (1997).
	303.	Lisiewicz <i>et al.</i> , "Tat-Regulated Production of Multimerized TAR RNA Inhibits HIV-1 Gene Expression" <i>New Biologist</i> <b>3</b> :82-89 (1991).
	304.	Lisiewicz <i>et al.</i> , "Inhibition of human immunodeficiency virus type 1 replication by regulated expression of a polymeric Tat activation response RNA decoy as a strategy for gene therapy in AIDS," <i>Proc. Natl. Acad. Sci. USA</i> <b>90</b> :8000-8004 (1993).
	305.	Lloyd <i>et al.</i> , "Identification and Genetic Analysis of <i>sbvC</i> mutations in commonly used <i>recBC sbvB</i> strains of <i>escherichia coli</i> K-12," <i>J. Bacteriol.</i> <b>164</b> :836-844 (1985).
	306.	Longman <i>et al.</i> , "Functional characterization of SR and SR-related genes in <i>Caenorhabditis elegans</i> ," <i>EMBO J.</i> <b>19</b> :1625-1637 (2000).
	307.	Loomis <i>et al.</i> , "Antisense RNA Inhibition of Expression of a Pair of Tandemly Repeated Genes Results in a Delay in Cell-Cell Adhesion in <i>Dictyostelium</i> ," <i>Antisense Res. Dev.</i> <b>1</b> :255-260 (1991).
	308.	Ma <i>et al.</i> , "Design and Synthesis of RNA Miniduplexes via a Synthetic Linker Approach" <i>Biochemistry</i> <b>32</b> :1751-1758 (1993).
	309.	Mace <i>et al.</i> , "Interferon-regulated viral replication in chronically HIV1-infected promonocytic U937 cells," <i>Res. Viral.</i> <b>142</b> :213-220 (1991).
	310.	Majumdar <i>et al.</i> , "Targeted Gene Knockout Mediated by Triple Helix Forming Oligonucleotides" <i>Nat. Genet.</i> <b>20</b> :212-214 (1998).
	311.	Manche <i>et al.</i> , "Interactions Between Double Stranded RNA Regulators and the Protein Kinase DAI," <i>Mol. Cell. Biol.</i> <b>12(11)</b> :5238-5248 (1992).
	312.	Marathe <i>et al.</i> , "RNA viruses as inducers, suppressors and targets of post-transcriptional gene silencing," <i>Plant Molecular Biology</i> <b>43</b> :295-306 (2000).
	313.	Marcus <i>et al.</i> , "The pGEM®-T and pGEM®-T Easy Vector Systems," <i>Promega Notes Magazine</i> , <b>Number 58</b> , 36-38 (1996).
	314.	Marx, "Interfering With Gene Expression," <i>Science</i> <b>288</b> :1370-1372 (2000).
	315.	Matthieu <i>et al.</i> , "Myelin-Deficient Mutant Mice: An <i>in Vivo</i> Model for Inhibition of Gene Expression by Natural Antisense RNA," <i>Ann. N.Y. Acad. Sci.</i> <b>660</b> :188-192 (1992).

Examiner  92271 v1/DC	Date Considered
<b>Examiner:</b> Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.L./

<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)  <b>PTO Form 1449</b>	<b>Attorney Docket No.</b> NUCL-002/01US	<b>Application No.</b> 10/762,395
	<b>Applicants:</b> Tony GIORDANO <i>et al.</i> <b>PAGE 19 of 30</b>	
	<b>Filing Date:</b> January 22, 2004	<b>Group Art Unit:</b> 1639

Initial		OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)
	316.	Matzke <i>et al.</i> , "Epigenetic silencing of plant transgenes as a consequence of diverse cellular defence responses," <i>Cell. Mol. Life Sci.</i> <b>54(1)</b> :94-103 (1998).
	317.	Matzke <i>et al.</i> , "How and Why Do Plants Inactivate Homologous (Trans)genes" <i>Plant Physiol.</i> <b>107</b> :679-685 (1995).
	318.	Matzke <i>et al.</i> , "RNAi Extends Its Reach" <i>Science</i> <b>301</b> :1060-1061 (2003).
	319.	Mayne <i>et al.</i> , "SV40-transformed normal and DNA-repair-deficient human fibroblasts can be transfected with high frequency but retain only limited amounts of integrated DNA," <i>Gene</i> <b>66</b> :65 (1988).
	320.	McCormack <i>et al.</i> , "Mechanism of Interferon Action: Identification of a RNA Binding Domain within the N-terminal Region of the Human RNA-Dependent P1/eIF-2 $\alpha$ Protein Kinase," <i>Virology</i> <b>188</b> :47-56 (1992).
	321.	McKenzie <i>et al.</i> , "Xenotransplantation," Eds. Ginns <i>et al.</i> , in <u>Transplantation</u> , Science Inc., pp. 827-874 (1999).
	322.	McManus <i>et al.</i> , "Gene Silencing in Mammals By Small Interfering RNAs" <i>Nat. Rev. Genet.</i> <b>3(10)</b> :737-747 (2002).
	323.	McManus <i>et al.</i> , "Gene Silencing using micro-RNA designed hairpins" <i>RNA</i> <b>8</b> :842-850 (2002).
	324.	McManus <i>et al.</i> , "Small Interfering RNA-Mediated Gene Silencing in T Lymphocytes," <i>J. Immunol.</i> <b>169</b> :5754-5760 (2002).
	325.	McNair <i>et al.</i> , "Hepatitis delta virus replication in vitro is not affected by interferon- $\alpha$ or - $\gamma$ despite intact cellular responses to the interferon and dsRNA," <i>J. Gen. Virol.</i> <b>75</b> :1371-1378 (1994).
	326.	Mercola <i>et al.</i> , "Antisense Approaches to Cancer Gene Therapy," <i>Cancer Gene Ther.</i> <b>2</b> :47-59 (1995).
	327.	Mette <i>et al.</i> , "Transcriptional Silencing And Promoter Methylation Triggered By Double-Stranded RNA," <i>EMBO J.</i> <b>19</b> :5194-5201 (2000).
	328.	Metzlaff <i>et al.</i> , "RNA-Mediated RNA Degradation and Chalcone Synthase A Silencing in Petunia," <i>Cell</i> <b>88</b> :845-854 (1997).
	329.	Meyer, "Repeat-Induced Gene Silencing: Common Mechanisms in Plants and Fungi," <i>Biol. Chem. Hoppe-Seyler</i> <b>377(2)</b> :87-95 (1996).
	330.	Mikoshiba <i>et al.</i> , "Chimeric and Molecular Genetic Analysis of Myelin-Deficient (Shiverer and Mld) Mutant Mice," <i>Ann. N.Y. Acad. Sci.</i> <b>605</b> :166-182 (1990).

Examiner  92271 v1/DC	Date Considered
-----------------------------	-----------------

**Examiner:** Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.L./

<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)  <b>PTO Form 1449</b>	<b>Attorney Docket No.</b> NUCL-002/01US	<b>Application No.</b> 10/762,395
	<b>Applicants:</b> Tony GIORDANO <i>et al.</i> <b>PAGE 20 of 30</b>	
	<b>Filing Date:</b> January 22, 2004	<b>Group Art Unit:</b> 1639

Initial		OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)
	331.	Mikoshiba <i>et al.</i> , "Molecular biology of myelin basic protein: gene rearrangement and expression of anti-sense RNA in myelin-deficient mutants" <i>Comp. Biochem. Physiol.</i> <b>98</b> :51-61 (1991).
	332.	Milhaud <i>et al.</i> , "Free and Liposome-Encapsulated Double-Stranded RNAs as Inducers of Interferon, Interleukin-6, and Cellular Toxicity" <i>J. Interferon Res.</i> <b>11</b> :261-265 (1991).
	333.	Minutes of Oral Proceeding dated July 12, 2005, filed in EP 99 910 039.9.
	334.	Montgomery <i>et al.</i> , "Double-stranded RNA as a mediator in sequence-specific genetic silencing and co-suppression," <i>TIG</i> <b>14(7)</b> :255-258 (1998).
	335.	Montgomery <i>et al.</i> , "RNA as a target of double-stranded RNA-mediated genetic interference in <i>Caenorhabditis elegans</i> ," <i>Proc. Natl. Acad. Sci. USA</i> <b>95</b> :15502-15507 (1998).
	336.	Morishita <i>et al.</i> , "Role of Transcriptional <i>cis</i> -Elements, Angiotensinogen Gene-Activating Elements, of Angiotensinogen Gene in Blood Pressure Regulation," <i>Hypertension</i> <b>27</b> :502-507 (1996).
	337.	Moroni <i>et al.</i> , "EGF-R Antisense RNA Blocks Expression of the Epidermal Growth Factor Receptor and Suppresses the Transforming Phenotype of a Human Carcinoma Cell Line," <i>J. Biol. Chem.</i> <b>267(4)</b> :2714-2722 (1992).
	338.	Morris <i>et al.</i> , "Small Interfering RNA-Induced Transcriptional Gene Silencing in Human Cells," <i>Science</i> <b>305</b> :1289-1292 (2004).
	339.	Moss <i>et al.</i> , "The Cold Shock Domain Protein LIN-28 Controls Development Timing in <i>C. elegans</i> and is Regulated by the lin-4 RNA" <i>Cell</i> <b>88</b> :637-646 (1997).
	340.	Mueller <i>et al.</i> , "Homology-dependent resistance: transgenic virus resistance in plants related to homology-dependent gene silencing," <i>Plant J.</i> <b>7(6)</b> :1001-1013 (1995).
	341.	Muskens <i>et al.</i> , "Role of inverted DNA repeats in transcriptional and post-transcriptional gene silencing," <i>Plant Mol. Biol.</i> <b>43</b> :243-260 (2000).
	342.	Nagy <i>et al.</i> , "Glyceraldehyde-3-phosphate Dehydrogenase Selectively Binds AU-rich RNA in the NAD <sup>+</sup> -binding Region (Rossmann Fold)," <i>J. Biol. Chem.</i> <b>270</b> :2755-2763 (1995).
	343.	Napoli <i>et al.</i> , "Introduction of a Chimeric Chalcone Synthase Gene into Petunia Results in Reversible So-Suppression of Homologous Genes in <i>trans</i> ," <i>Plant Cell</i> <b>2(4)</b> :279-289 (1990).
	344.	Nellen, <i>et al.</i> , "What makes an mRNA anti-sense-itive?" <i>Trends in Biochemical Sciences</i> <b>18(11)</b> :419-423 (1993).

Examiner  92271 v1/DC	Date Considered  
<b>Examiner:</b> Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.L./

<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)  <b>PTO Form 1449</b>	<b>Attorney Docket No.</b> NUCL-002/01US	<b>Application No.</b> 10/762,395
	<b>Applicants:</b> Tony GIORDANO <i>et al.</i> <b>PAGE 21 of 30</b>	
	<b>Filing Date:</b> January 22, 2004	<b>Group Art Unit:</b> 1639

Initial		OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)
	345.	Ngo <i>et al.</i> , "Double-Stranded RNA Induces mRNA Degradation in <i>Trypanosoma brucei</i> " <i>Proc. Natl. Acad. Sci. USA</i> <b>95</b> :14687-14692 (1998).
	346.	Nielsen <i>et al.</i> , "A novel class of conformationally restricted oligonucleotide analogues: synthesis of 2', 3'-bridged monomers and RNA-selective hybridisation" <i>Chem. Commun.</i> <b>9</b> :825-826 (1997).
	347.	Nieth <i>et al.</i> , "Modulation of the classical multidrug resistance (MDR) phenotype by RNA interference (RNAi)," <i>FEBS Letters</i> <b>545</b> :144-150 (2003).
	348.	Nikiforov <i>et al.</i> , "Oligodeoxynucleotides containing 4-thiothymidine and 6-thiodeoxyguanosine as affinity labels for the Eco RV restriction endonuclease and modification methylase," <i>Nucl. Acids Res.</i> <b>20(6)</b> :1209-1214 (1992).
	349.	Noguchi <i>et al.</i> , "Characterization of an Antisense Inr Element in the eIF-2 $\alpha$ Gene," <i>J. Biol. Chem.</i> <b>269</b> :29161-29167 (1994).
	350.	Oates <i>et al.</i> , "Too Much Interference: Injection of Double-Stranded RNA Has Nonspecific Effects in the Zebrafish Embryo," <i>Developmental Biology</i> <b>224</b> :20-28 (2000).
	351.	Okano <i>et al.</i> , "Myelin Basic Protein Gene and the Function of Antisense RNA in its Repression in Myelin-Deficient Mutant Mouse," <i>J. Neurochem.</i> <b>56</b> :560-567 (1991).
	352.	Opalinska, <i>et al.</i> , "Nucleic-Acid Therapeutics: Basic Principles and Recent Applications" <i>Nature Reviews</i> <b>1</b> :503-514 (2002).
	353.	Paddison <i>et al.</i> , "Short hairpin RNAs (shRNAs) induce sequence-specific silencing in mammalian cells" <i>Genes and Development</i> <b>16</b> :948-958 (2002).
	354.	Paddison <i>et al.</i> , "RNA interference: the new somatic cell genetics?" <i>Cancer Cell</i> <b>2</b> :17-23 (2002).
	355.	Paddison <i>et al.</i> , "Stable suppression of gene expression by RNAi in mammalian cells," <i>Proc. Natl. Acad. Sci. USA</i> <b>99</b> :1443-1448 (2002).
	356.	Pal-Bhadra <i>et al.</i> , "Cosuppression in <i>Drosophila</i> : Gene Silencing of Alcohol dehydrogenase by white-Adh Transgenes is Polycomb Dependent," <i>Cell</i> <b>90(3)</b> :479-490 (1997).
	357.	Palauqui <i>et al.</i> , "Systemic acquired silencing: transgene-specific post-transcriptional silencing is transmitted by grafting from silenced stocks to non-silenced scions," <i>EMBO J.</i> <b>16</b> :4738-4745 (1997).
	358.	Palaugui <i>et al.</i> , "Transgenes are dispensable for the RNA degradation step of cosuppression," <i>Plant Biology</i> <b>95</b> :9675-9680 (1998).

Examiner  92271 v1/DC	Date Considered
<b>Examiner:</b> Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.L./

<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)  <b>PTO Form 1449</b>	<b>Attorney Docket No.</b> NUCL-002/01US	<b>Application No.</b> 10/762,395
	<b>Applicants:</b> Tony GIORDANO <i>et al.</i> <b>PAGE 22 of 30</b>	
	<b>Filing Date:</b> January 22, 2004	<b>Group Art Unit:</b> 1639

Initial		OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)
	359.	Palmiter <i>et al.</i> , "Transmission Distortion and Mosaicism in an Unusual Transgenic Mouse Pedigree," <i>Cell</i> <b>36</b> :869-877 (1984).
	360.	Pang <i>et al.</i> , "Nontarget DNA sequences reduce the transgene length necessary for RNA-mediated tospovirus resistance in transgenic plants," <i>Proc. Natl. Acad. Sci. USA</i> <b>94(15)</b> :8261-8266 (1997).
	361.	Park <i>et al.</i> , "Specific inhibition of HIV-1 gene expression by double-stranded RNA," <i>Nucl. Acids Res. Suppl. No. 1</i> :219-220 (2001).
	362.	Park <i>et al.</i> , "Prevention of HIV-1 infection in human peripheral blood mononuclear cells by specific RNA interference," <i>Nucl. Acids Res.</i> <b>30(22)</b> :4830-4835 (2002).
	363.	Park <i>et al.</i> , "Gene silencing mediated by promotor homology occurs at the level of transcription and results in meiotically heritable alterations in methylation and gene activity," <i>Plant J.</i> <b>9(2)</b> :183-194 (1996).
	364.	Pe'ery <i>et al.</i> , "Synthesis and Purification of Single-Stranded RNA for Use in Experiments with PKR and in Cell-Free Translation Systems," <i>Methods</i> <b>11</b> :371-381 (1997).
	365.	Pegram <i>et al.</i> , "Phase II study of Receptor-Enhanced Chemosensitivity Using Recombinant Humanized Anti-p185 <sup>HER2neu</sup> Monoclonal Antibody Plus Cisplatin in Patients With HER2/Neu-Overexpressing Metastatic Breast Cancer Refractory to Chemotherapy Treatment" <i>Journal of Clinical Oncology</i> <b>16(8)</b> :2659-2671 (1998).
	366.	Pelletier <i>et al.</i> , "Insertion mutagenesis to increase secondary structure within the 5' noncoding region of a eukaryotic mRNA reduces translational efficiency," <i>Cell</i> <b>40</b> :515-526 (1985).
	367.	Peng <i>et al.</i> , "Development of an MFG-Based Retroviral Vector System for Secretion of High Levels of Functionally Active Human BMP4" <i>Molecular Therapy</i> <b>4(2)</b> :95-104 (2001).
	368.	Peyman <i>et al.</i> , "Molecular Biology and The Vascular Surgeon," in <u>Basic Science of Vascular Disease</u> , Chapter 2, pp. 17-68 (1997).
	369.	Piccin <i>et al.</i> , "Efficient and Heritable Functional Knock-out of an Adult Phenotype in Drosophila using a GAL4-Driven Hairpin RNA Incorporating a Heterologous Spacer," <i>Nucl. Acids Res.</i> <b>29(12)</b> E55:1-5 (2001).
	370.	Plasterk <i>et al.</i> , "The Silence of the Genes," <i>Curr. Opin. Gen. Dev.</i> <b>10</b> :562-567 (2000).
	371.	Pratt <i>et al.</i> , "Regulation of In Vitro Translation by Double-stranded RNA in Mammalian Cell mRNA Preparations," <i>Nucl. Acids Res.</i> <b>16</b> :3497-3510 (1988).

Examiner  92271 v1/DC	Date Considered
-----------------------------	-----------------

**Examiner:** Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.L./

<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)  <b>PTO Form 1449</b>	<b>Attorney Docket No.</b> NUCL-002/01US	<b>Application No.</b> 10/762,395
	<b>Applicants:</b> Tony GIORDANO <i>et al.</i> <b>PAGE 23 of 30</b>	
	<b>Filing Date:</b> January 22, 2004	<b>Group Art Unit:</b> 1639

Initial		OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)
	372.	Putlitz <i>et al.</i> , "Specific Inhibition Of Hepatitis B Virus Replication By Sense RNA," <i>Antisense &amp; Nucleic Acid Drug Development</i> <b>9</b> :241-252 (1999).
	373.	Que <i>et al.</i> , "The Frequency And Degree Of Cosuppression By Sense Chalcone Synthase Transgenes Are Dependent on Transgene Promoter Strength and Are Reduced by Premature Nonsense Codons in the Transgene Coding Sequence," <i>Plant Cell</i> <b>9</b> :1357-1368 (1997).
	374.	Que <i>et al.</i> , "Homology-Based Control of Gene Expression Patterns in Transgenic Petunia Flowers," <i>Developmental Genetics</i> <b>22(1)</b> :100-109 (1998).
	375.	Randall <i>et al.</i> , "Clearance of replicating hepatitis C virus replicon RNAs in cell culture by small interfering RNAs," <i>Proc. Natl. Acad. Sci. USA</i> <b>100(1)</b> :235-240 (2003).
	376.	Raponi <i>et al.</i> , "Double-stranded RNA-mediated Gene Silencing In Fission Yeast," <i>Nucl. Acids Res.</i> <b>31</b> :4481-4489 (2003).
	377.	Ratcliff <i>et al.</i> , "A Similarity Between Viral Defense and Gene Silencing in Plants," <i>Science</i> <b>276</b> :1558-1560 (1997).
	378.	Regalado, "Turning Off Genes Sheds New Light On How They Work" <i>The Wall Street Journal</i> , 4 pages (August 2002).
	379.	Reply to Summons to attend Oral Proceeding filed May 13, 2005 in European Patent Application No. 99 910 039.9, 9 pages.
	380.	Request for correction of minutes filed August 2, 2005 in EP 99 910 039.9, 3 pages.
	381.	Resnekov <i>et al.</i> , "RNA Secondary Structure Is an Integral Part of the <i>in Vitro</i> Mechanism of Attenuation in Simian Virus 40," <i>J. Biol. Chem.</i> <b>264</b> :9953-9959 (1989).
	382.	Reuben <i>et al.</i> , "Cloning and Expression of The Rabbit Gastric CCK-A Receptor," <i>Biochim. Biophys. Acta</i> <b>1219</b> :321-327 (1994).
	383.	Robertson <i>et al.</i> , "Age-dependent silencing of globin transgenes in the mouse," <i>Nucl. Acids Res.</i> <b>24</b> :1465-1471 (1996).
	384.	Rocheleau <i>et al.</i> , "Wnt Signaling and an APC-Related Gene Specify Endoderm in Early <i>C. elegans</i> Embryos," <i>Cell</i> <b>90</b> :707-716 (1997).
	385.	Rodriguez <i>et al.</i> , "Regulated Expression of Nuclear Genes by T3 RNA Polymerase and lac Repressor, Using Recombinant Vaccinia Virus Vectors," <i>J. Virol.</i> <b>64</b> :4851-4857 (1990).

Examiner  92271 v1/DC	Date Considered
-----------------------------	-----------------

**Examiner:** Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.L./

<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)  <b>PTO Form 1449</b>	<b>Attorney Docket No.</b> NUCL-002/01US	<b>Application No.</b> 10/762,395
	<b>Applicants:</b> Tony GIORDANO <i>et al.</i> <b>PAGE 24 of 30</b>	
	<b>Filing Date:</b> January 22, 2004	<b>Group Art Unit:</b> 1639

Initial		OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)
	386.	Romano <i>et al.</i> , "Quelling: transient inactivation of gene expression in <i>Neurospora crassa</i> by transformation with homologous sequences," <i>Mol. Microbiol.</i> <b>6(22)</b> :3343-3353 (1992).
	387.	Roy <i>et al.</i> , "Effect of mRNA secondary structure on the efficiency of Translational Initiation by Eukaryotic Ribosomes," <i>Eur. J. Biochem.</i> <b>191</b> :647-652 (1990).
	388.	Ruskin <i>et al.</i> , "Mutations in POL1 Increase the Mitotic Instability of Tandem Inverted Repeats in <i>Saccharomyces cerevisiae</i> ," <i>Genetics</i> <b>133</b> :43-56 (1993).
	389.	Sabl <i>et al.</i> , "Copy Number and Orientation Determine the Susceptibility of a Gene to Silencing by Nearby Heterochromatin in <i>Drosophila</i> ," <i>Genetics</i> <b>142</b> :447-458 (1996).
	390.	Sadiq <i>et al.</i> , "Developmental Regulation of Antisense-Mediated Gene Silencing in <i>Dictyostelium</i> ," <i>Antisense Research &amp; Development</i> <b>4(4)</b> :263-267 (1994).
	391.	Sarver <i>et al.</i> , "Ribozymes as Potential Anti-HIV-1 Therapeutics Agents" <i>Science</i> <b>247</b> :1222-1225 (1990).
	392.	Schaefer <i>et al.</i> , "Antisense RNA control of gene expression in bacteriophage P22. I. Structures of sar RNA and its target, ant mRNA," <i>RNA</i> <b>3(2)</b> :141-156 (1997).
	393.	Schaller, "The Role of Sterols in Plant Growth and Development," <i>Prog. Lipid Res.</i> <b>42</b> :163-175 (2003).
	394.	Schmidt <i>et al.</i> , "Cycloheximide Induction of Aflatoxin Synthesis in a Nontoxigenic Strain of <i>Aspergillus flavus</i> " <i>Bio/Technology</i> <b>1</b> :794-795 (1983).
	395.	Schmidt, "RNA Interference Detected 20 years ago," <i>Nat. Biotechnol.</i> <b>22</b> :267-268 (2004).
	396.	Schmidt <i>et al.</i> , "Viral Influences on Aflatoxin Formation by <i>Aspergillus flavus</i> ," <i>Appl. Microbiol. Biotechnol.</i> <b>24</b> :248-252 (1986).
	397.	Schmitt <i>et al.</i> , "Characterization of cloned sequences complementary to F9 cell double-stranded RNA and their expression during differentiation," <i>Differentiation</i> <b>30</b> :205-210 (1986).
	398.	Schramke <i>et al.</i> , "Hairpin RNAs and Retrotransposon LTRs Effect RNAi and Chromatin-Based Gene Silencing" <i>Science</i> <b>301</b> :1069-1074 (2003).
	399.	Schwarz <i>et al.</i> , "Evidence that siRNAs Function as Guides, Not Primers in the <i>Drosophila</i> and Human RNAi Pathways," <i>Molecular Cell</i> <b>10</b> :537-548 (2002).
	400.	Selker, "Gene Silencing: repeats that count," <i>Cell</i> <b>97(2)</b> :157-160 (1999).
	401.	Shaffer, "RNAi Shakes up Bio CEO Investor Conference," <i>Biotech News</i> <b>24</b> :30 (2004).

Examiner  92271 v1/DC	Date Considered
-----------------------------	-----------------

**Examiner:** Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.L./



<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)  <b>PTO Form 1449</b>	<b>Attorney Docket No.</b> NUCL-002/01US	<b>Application No.</b> 10/762,395
	<b>Applicants:</b> Tony GIORDANO <i>et al.</i> <b>PAGE 25 of 30</b>	
	<b>Filing Date:</b> January 22, 2004	<b>Group Art Unit:</b> 1639

Initial		OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)
	402.	Sharp, "RNAi and Double-Strand RNA," <i>Genes Dev.</i> <b>13</b> :139-141 (1999).
	403.	Shi <i>et al.</i> , "A CBP/p300 Homolog Specifies Multiple Differentiation Pathways in <i>Caenorhabditis elegans</i> " <i>Genes Dev.</i> <b>(12)</b> 7:943-955 (1998).
	404.	Shinagawa <i>et al.</i> , "Generation of Ski-knockdown mice by expressing a long double-strand RNA from an RNA polymerase II promoter," <i>Genes Dev.</i> <b>17</b> :1340-1345 (2003).
	405.	Sijen <i>et al.</i> , "RNA-Mediated Virus Resistance: Role of Repeated Transgenes and Delineation of Targeted Regions," <i>Plant Cell</i> <b>8(12)</b> :2277-2294 (1996).
	406.	Silverman, "Role of Sequences Within The First Intron in the Regulation of Expression of Eukaryotic Initiation Factor 2 $\alpha$ ," <i>J. Biol. Chem.</i> <b>267</b> :9738-9742 (1992).
	407.	Simons, "Naturally Occurring Antisense RNA Control – A Brief Review," <i>Gene</i> <b>72</b> :35-44 (1988).
	408.	Singer <i>et al.</i> , "Genetic and Epigenetic Inactivation of Repetitive Sequences in <i>Neurospora crassa</i> : RIP, DNA Methylation, and Quelling," <i>Current Topics in Microbiology and Immunology</i> <b>197</b> :165-177 (1995).
	409.	Sinha, "Large-Scale Synthesis: Approaches to Large-Scale Synthesis of Oligodeoxynucleotides and their Analog" <i>Antisense From Technology to Therapy Lab Manual and Textbook</i> <b>6</b> :30-58 (1997).
	410.	Skripkin <i>et al.</i> , "Psoralen Crosslinking Between Human Immunodeficiency Virus Type 1 RNA and Primer tRNA <sub>3</sub> <sup>Lys</sup> ," <i>Nucl. Acids Res.</i> <b>24(3)</b> :509-514 (1996).
	411.	Smardon <i>et al.</i> , "EGO-1 is related to RNA-directed RNA polymerase an functions in germ-line development and RNA interference in <i>C. elegans</i> ," <i>Current Biology</i> <b>10(4)</b> :169-178 (2000).
	412.	Smith <i>et al.</i> , "Total Silencing by Intron-spliced Hairpin RNAs," <i>Nature</i> <b>407</b> :319-320 (2000).
	413.	Smith <i>et al.</i> , "Transgenic plant virus resistance mediated by untranslatable sense RNAs: expression, regulation and fate of nonessential RNAs," <i>Plant Cell</i> <b>6(10)</b> :1441-1453 (1994).
	414.	Smolinski <i>et al.</i> , "Double-Stranded RNA Induces Sick Erythrocyte Adherence to Endothelium: A Potential Role for Viral Infection in Vaso-Occlusive Pain Episodes in Sick Cell Anemia," <i>Blood</i> <b>85</b> :2945-2950 (1995).
	415.	Smyth, "Gene Silencing: Cosuppression at a Distance," <i>Current Biology</i> <b>7(12)</b> :R793-795 (1997).
	416.	Smythe <i>et al.</i> , "Gene Therapeutic agents: The Use of Ribozymes, Antisense, and RNA Decoys for HIV-1 Infection," <i>Inflamm. Res.</i> <b>44</b> :11-15 (1995).

<b>Examiner</b>  92271 v1/DC	<b>Date Considered</b>  
------------------------------------	--------------------------------

**Examiner:** Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.L./

<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)  <b>PTO Form 1449</b>	<b>Attorney Docket No.</b> NUCL-002/01US	<b>Application No.</b> 10/762,395
	<b>Applicants:</b> Tony GIORDANO <i>et al.</i> <b>PAGE 26 of 30</b>	
	<b>Filing Date:</b> January 22, 2004	<b>Group Art Unit:</b> 1639

Initial		OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)
	417.	Sonoda <i>et al.</i> , "Asymmetric deletion of the junction between the short unique region and the inverted repeat does not affect viral growth in culture and vaccine-induced immunity against Marek's disease," <i>Vaccine</i> <b>14</b> :277-284 (1996).
	418.	Stam <i>et al.</i> , "The Silence of Genes in Transgenic Plants," <i>Annals of Botany</i> <b>79</b> (1):3-12 (1997).
	419.	Statement setting out the Grounds of Appeal dated November 11, 2005, filed in EP 99 910 039.9, 11 pages.
	420.	Stein <i>et al.</i> , "Absence of non-specific effects of RNA interference triggered by long double-stranded RNA in mouse oocytes," <i>Dev. Biol.</i> <b>286</b> (2):464-471 (September 2005).
	421.	Steinecke <i>et al.</i> , "Expression of a Chimeric Ribozyme Gene Results in Endonucleolytic Cleavage of a Target mRNA and a Concomitant Reduction of Gene Expression in vivo" <i>Nucl. Acids Res.</i> <b>23</b> :1525-1530 (1992).
	422.	Stewart <i>et al.</i> , "Lentivirus-delivered stable gene silencing by RNAi in primary cells," <i>RNA</i> <b>9</b> :493-501 (2003).
	423.	Strauss, "Candidate Gene Silencers Found" <i>Science</i> <b>286</b> : 886 (1999).
	424.	Sullenger <i>et al.</i> , "Overexpression of TAR Sequences Renders Cells Resistant to Human Immunodeficiency Virus Replication," <i>Cell</i> <b>63</b> :601-608 (1990).
	425.	Sullenger <i>et al.</i> , "Expression of Chimeric tRNA-Driven Antisense Transcripts Renders NIH 3T3 Cells Highly Resistant to Moloney Murine Leukemia Virus Replication," <i>Mol. Cell. Biol.</i> <b>10</b> :6512-6523 (1990).
	426.	Sullenger <i>et al.</i> , "Analysis of trans-Acting Response Decoy RNA-Mediated Inhibition of Human Immunodeficiency Virus Type 1 Transactivation," <i>J. Virology</i> <b>65</b> (12):6811-6816 (1991).
	427.	Sullenger, "Tethering Ribozymes to a Retroviral Packaging Signal for Destruction of Viral RNA" <i>Science</i> <b>262</b> :1566-1569 (1993).
	428.	Sun <i>et al.</i> , "Ribozyme-mediated Suppression of Moloney Murine Leukemia Virus and Human Immunodeficiency Virus Type I Replication in Permissive Cell Lines," <i>Proc. Natl. Acad. Sci. USA</i> <b>91</b> :9715-9719 (1994).
	429.	Sun <i>et al.</i> , "Resistance to human immunodeficiency virus type 1 infection conferred by transduction of human peripheral blood lymphocytes with ribozyme, antisense, or polymeric trans-activation response element constructs," <i>Proc. Natl. Acad. Sci. USA</i> <b>92</b> :7272-7276 (1995).

Examiner  92271 v1/DC	Date Considered
<b>Examiner:</b> Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.L./

<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)  <b>PTO Form 1449</b>	<b>Attorney Docket No.</b> NUCL-002/01US	<b>Application No.</b> 10/762,395
	<b>Applicants:</b> Tony GIORDANO <i>et al.</i> <b>PAGE 27 of 30</b>	
	<b>Filing Date:</b> January 22, 2004	<b>Group Art Unit:</b> 1639

Initial		OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)
	430.	Svoboda <i>et al.</i> , "Selective reduction of dormant maternal mRNAs in mouse oocytes by RNA interference," <i>Development</i> <b>127(19)</b> :4147-4156 (2000).
	431.	Svoboda <i>et al.</i> , "RNAi in Mouse Oocytes and Preimplantation Embryos: Effectiveness of Hairpin dsRNA" <i>Biochem. Biophys. Res. Commun.</i> <b>287(5)</b> :1099-1104 (2001).
	432.	Sweetser <i>et al.</i> , "Transgenic mice containing intestinal fatty acid-binding protein-human growth hormone fusion genes exhibit correct regional and cell-specific expression of the reporter gene in their small intestine," <i>Proc. Natl. Acad. Sci. USA</i> <b>85</b> :9611-9615 (1988).
	433.	Symington, "Role of RAD52 Epistasis Group Genes In Homologous Recombination and Double-Strand Break Repair," <i>Microbiol. Mol. Biol. Rev.</i> <b>66</b> :630-670 (2002).
	434.	Tabara <i>et al.</i> , "RNAi in <i>C. elegans</i> : Soaking in the Genome Sequence," <i>Science</i> <b>282</b> :430-431 (1998).
	435.	Tabara <i>et al.</i> , "The rde-1 Gene, RNA Interference, and Transposon Silencing in <i>C. elegans</i> ," <i>Cell</i> <b>99</b> :123-132 (1999).
	436.	Table describing sequences used to inhibit viral replication. Annex A filed in EP 99 910 039.9.
	437.	Tanaka <i>et al.</i> , "Sequence-specific interaction of $\alpha$ $\beta$ -anomeric double-stranded DNA with the p50 subunit of NF $\kappa$ B: application to the decoy approach," <i>Nucl. Acids Res.</i> <b>22</b> :3069-3074 (1994).
	438.	Tanzer <i>et al.</i> , "Characterization of Post-Transcriptionally Suppressed Transgene Expression that Confers Resistance to Tobacco Etch Virus Infection in Tobacco," <i>Plant Cell</i> <b>9(8)</b> :1411-1423 (1997).
	439.	Tavernarakis <i>et al.</i> , "Heritable and inducible genetic interference by double-stranded RNA encoded by transgenes," <i>Nature Genetics</i> <b>24</b> :180-183 (2000).
	440.	Thomis, <i>et al.</i> , "Mechanism of interferon action: Autoregulation of RNA-dependent P1/eIF-2 $\alpha$ protein kinase (PKR) expression in transfected mammalian cells," <i>Proc. Natl. Acad. Sci. USA</i> <b>89</b> :10837-10841 (1992).
	441.	Tijsterman <i>et al.</i> , "The Genetics of RNA Silencing," <i>Ann. Rev. Genet.</i> <b>36</b> :489-519 (2002).
	442.	Timmons <i>et al.</i> , "Specific Interference by Ingested dsRNA," <i>Nature</i> <b>395</b> :854 (1998).
	443.	Tosic <i>et al.</i> , "Post-transcriptional events are responsible for low expression of myelin basic protein in myelin deficient mice: role of natural antisense RNA," <i>EMBO J.</i> <b>9</b> :401-406 (1990).
	444.	Touchette, "Gene Therapy: Not Ready for Prime Time," <i>Nat. Med.</i> <b>2(1)</b> :7-8 (1996).

Examiner  92271 v1/DC	Date Considered
-----------------------------	-----------------

**Examiner:** Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.L./

<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)  <b>PTO Form 1449</b>	<b>Attorney Docket No.</b> NUCL-002/01US	<b>Application No.</b> 10/762,395
	<b>Applicants:</b> Tony GIORDANO <i>et al.</i> <b>PAGE 28 of 30</b>	
	<b>Filing Date:</b> January 22, 2004	<b>Group Art Unit:</b> 1639

Initial		OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)
	445.	Tuschl <i>et al.</i> , "Targeted mRNA degradation by double-stranded RNA in vitro," <i>Genes Dev.</i> <b>13</b> :3191-3197 (1999).
	446.	Uhlmann <i>et al.</i> , "Antisense Oligonucleotides: A New Therapeutic Principle" <i>Chemical Reviews</i> <b>9(4)</b> :544-584 (1990).
	447.	Ui-Tei <i>et al.</i> , "Sensitive assay of RNA interference in Drosophila and Chinese hamster cultured cells firefly luciferase gene as target," <i>FEBS Letters</i> <b>479</b> :79-82 (2000).
	448.	Usdin <i>et al.</i> , "SP6 RNA Polymerase containing vaccinia virus for rapid expression of cloned genes in tissue culture," <i>BioTech.</i> <b>14</b> :222-224 (1993).
	449.	Vaucheret <i>et al.</i> , "A Transcriptionally Active State is Required for Post-Transcriptional Silencing (Cosuppression) of Nitrate Reductase Host Genes and Transgenes," <i>Plant Cell</i> <b>9(8)</b> :1495-1504 (1997).
	450.	Van der Krol <i>et al.</i> , "Flavonoid Genes in Petunia: Addition of a Limited Number of Gene Copies May Lead to a Suppression of Gene Expression," <i>Plant Cell</i> <b>2(4)</b> :291-299 (1990).
	451.	Van der Krol <i>et al.</i> , "Inhibition of flower pigmentation by antisense CHS genes: promoter and minimal sequence requirements for the antisense effect," <i>Plant Molecular Biology</i> <b>14(4)</b> :457-466 (1990).
	452.	Van Steeg <i>et al.</i> , "The translation in vitro of rat ornithine decarboxylase mRNA is blocked by its 5' untranslated region in a polyamine-independent way," <i>Biochem. J.</i> <b>274</b> :521-526 (1991).
	453.	Verma <i>et al.</i> , "Gene therapy – promises, problems and prospects," <i>Nature</i> <b>389</b> :239-242 (1997).
	454.	Viville, "Mouse Genetic Manipulation via Homologous Recombination," in <u>Transgenic Animals</u> , Houdebine (eds), Harwood academic publishers, France: pp. 307-321 (1997).
	455.	Voinnet <i>et al.</i> , "Systemic Spread of Sequence-Specific Transgene RNA Degradation in Plants Is Initiated by Localized Introduction of Ectopic Promoterless DNA," <i>Cell</i> <b>95</b> :177-187 (1998).
	456.	Volloch <i>et al.</i> , "Evolutionarily conserved elements in the 5' untranslated region of $\beta$ globin mRNA mediate site-specific priming of a unique hairpin structure during cDNA synthesis," <i>Nucl. Acids Res.</i> <b>22</b> :5302-5309 (1994).
	457.	Wagner <i>et al.</i> , "Double-stranded RNA poses puzzle," <i>Nature</i> <b>391</b> :744-745 (1998).
	458.	Wall, "Transgenic Livestock: Progress and Prospects for the Future," <i>Theriogenology</i> <b>45</b> :57-68 (1996).
	459.	Wang <i>et al.</i> , "An Unusual Nucleoporin-Related Messenger Ribonucleic Acid is Present in the Germ Cells of Rat Testis," <i>Biol. Reprod.</i> <b>51</b> :1022-1030 (1994).

Examiner  92271 v1/DC	Date Considered
-----------------------------	-----------------

**Examiner:** Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.L./

<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)  <b>PTO Form 1449</b>	<b>Attorney Docket No.</b> NUCL-002/01US	<b>Application No.</b> 10/762,395
	<b>Applicants:</b> Tony GIORDANO <i>et al.</i> <b>PAGE 29 of 30</b>	
	<b>Filing Date:</b> January 22, 2004	<b>Group Art Unit:</b> 1639

Initial		OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)
	460.	Wang <i>et al.</i> , "A factor IX-deficient mouse model for hemophilia B gene therapy," <i>Proc. Natl. Acad. Sci. USA</i> <b>94</b> :11563-11566 (1997).
	461.	Wargelius <i>et al.</i> , "Double-Stranded RNA Induces Specific Developmental Defects in Zebrafish Embryos," <i>Biochem. Biophys. Res. Commun.</i> <b>263</b> :156-161 (1999).
	462.	Warren <i>et al.</i> , "Comparison of Physical and Genetic Properties of Palindromic DNA Sequences," <i>J. Bacteriol</i> <b>161</b> :1103-1111 (1985).
	463.	Wassenegger <i>et al.</i> , "Signalling in gene silencing," <i>Trends Plant Sci.</i> <b>4(6)</b> :207-209 (1999).
	464.	Waterhouse <i>et al.</i> , "Virus resistance and gene silencing in plants can be induced by simultaneous expression of sense and antisense RNA," <i>Plant Biology</i> <b>95</b> :13959-13964 (1998).
	465.	Watson, "A new revision of the sequence of plasmid pBR322," <i>Gene</i> <b>70</b> :399-403 (1988).
	466.	Weaver <i>et al.</i> , "Introduction by molecular cloning of artifactual inverted sequences at the 5' terminus of the sense strand of bovine parathyroid hormone cDNA" <i>Proc. Natl. Acad. Sci. USA</i> <b>78</b> :4073-4077 (1981).
	467.	Wess <i>et al.</i> , "Early days for RNAi" <i>BioCentury</i> <b>11(12)</b> :A1-23 (2003).
	468.	Wianny <i>et al.</i> , "Specific interference with gene function by double-stranded RNA in early mouse development," <i>Nature Cell Biology</i> <b>2</b> :70-75 (2000).
	469.	Williams <i>et al.</i> , "A mouse locus at which transcription from both DNA strands produces mRNAs complementary at their 3' ends," <i>Nature</i> <b>322</b> :275-279 (1986).
	470.	Wolffe, "Repressed repeats express themselves," <i>Current Biol.</i> <b>7</b> :R796 (1997).
	471.	Written Opinion mailed on April 17, 2004, for PCT application no PCT/AU03/01177 filed September 9, 2003: 7 pages.
	472.	Wu <i>et al.</i> , "Interferon-Stimulated Response Element and NFkB Sites Cooperate to Regulate Double-Stranded RNA-Induced Transcription of the IP-10 Gene," <i>J. Interferon Res.</i> <b>14</b> :357-363 (1994).
	473.	Wu <i>et al.</i> , "Double-stranded (ds) RNA Binding and Not Dimerization Correlates with the Activation of the dsRNA-dependent Protein Kinase (PKR)," <i>J. Biol. Chem.</i> <b>271</b> :1756-1763 (1996).
	474.	Xiong <i>et al.</i> , "Signaling properties of mouse and human corticotropin-releasing factor (CRF) receptors: decreased coupling efficiency of human type II CRF receptor," <i>Endocrin.</i> <b>136</b> :1828-1834 (1995).

<b>Examiner</b>  92271 v1/DC	<b>Date Considered</b>  
------------------------------------	--------------------------------

**Examiner:** Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.L./

<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)  <b>PTO Form 1449</b>	<b>Attorney Docket No.</b> NUCL-002/01US	<b>Application No.</b> 10/762,395
	<b>Applicants:</b> Tony GIORDANO <i>et al.</i> <b>PAGE 30 of 30</b>	
	<b>Filing Date:</b> January 22, 2004	<b>Group Art Unit:</b> 1639

Initial		OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)
	475.	Yam <i>et al.</i> , "Design of HIV Vectors for Efficient Gene Delivery into Human Hematopoietic Cells," <i>Molecular Therapy</i> <b>5(4)</b> :479-484 (2002).
	476.	Yamamoto <i>et al.</i> , "Double-Stranded <i>nef</i> RNA Interferes with Human Immunodeficiency Virus Type 1 Replication," <i>Microbiol. Immunol.</i> <b>46(11)</b> :809-817 (2002).
	477.	Yamamoto <i>et al.</i> , "Inhibition of transcription by the TAR RNA of HIV-1 in a nuclear extract of HeLa cells," <i>Nucl. Acids Res.</i> <b>25(17)</b> :3445-3450 (1997).
	478.	Yang <i>et al.</i> , "Specific Double-Stranded RNA Interference in Undifferentiated Mouse Embryonic Stem Cells," <i>Mol. Cell. Biol.</i> <b>21(22)</b> :7807-7816 (2001).
	479.	Yarney <i>et al.</i> , "Molecular cloning and expression of the ovine testicular follicle stimulating hormone receptor," <i>Mol. Cell. Endroc.</i> <b>93</b> :219-226 (1993).
	480.	Yee <i>et al.</i> , "Prospects for Gene Therapy Using HIV-Based Vectors," <i>Somatic Cell and Molecular Genetics</i> <b>26(1/6)</b> :159-173 (2001).
	481.	Yu <i>et al.</i> , "Progress towards gene therapy of HIV infection," <i>Gene Therap.</i> <b>1</b> :13-26 (1994).
	482.	Zakharyan <i>et al.</i> , "Stimulation of double-spiral RNA Transformation of Prokaryotic and eukaryotic cells," <i>Doklady Akadem. Nauk SSR</i> <b>288</b> :1251-1253 (1986).
	483.	Zamore <i>et al.</i> , "RNAi: Double-Stranded RNA Directs the ATP-Dependent Cleavage of mRNA at 21 to 23 Nucleotide Intervals," <i>Cell</i> <b>101</b> :25-33 (2000).
	484.	Zernika-Goetz, "Jumping the gun on mouse gene expression," <i>Nature</i> <b>405</b> :733 (June 2000).
	485.	Zernicka-Goetz <i>et al.</i> , "Following cell fate in the living mouse embryo," <i>Development</i> <b>124</b> :1133-1137 (1997).
	486.	Zhao <i>et al.</i> , "Generating loss-of-function phenotype of the <i>fushi tarazu</i> gene with a targeted ribozyme in <i>drosophila</i> ," <i>Nature</i> <b>365</b> :446-451 (1993).
	487.	Zhenhua <i>et al.</i> , "Expression of Firefly Luciferase Gene in <i>Xenopus laevis</i> oocyte," <i>Chinese J. Biotech.</i> <b>7</b> :279-284 (1991).

Examiner 92271 v1/DC      /Jeffrey Lundgren/	Date Considered 08/17/2009
<b>Examiner:</b> Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.L./